International Workshop on Business Process Intelligence
Period: 9 Sep 2018 → 10 Sep 2018
Andrea Burattin (Organizer)
Department of Applied Mathematics and Computer Science
Software and Process Engineering
Degree of recognition: International

Related event
International Workshop on Business Process Intelligence
09/09/2018 → 10/09/2018
Sydney, Australia
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

ARQNL 2018
Period: 18 Jul 2018
Anders Schlichtkrull (Participant)
Department of Applied Mathematics and Computer Science
Algorithms and Logic

Description
Formalization of a Paraconsistent Infinite-Valued Logic

Speaker: Anders Schlichtkrull

Abstract: Classical logics are explosive -- from a contradiction everything follows. This is problematic e.g. when reasoning about contradictory evidence. In paraconsistent logics everything does not follow from a contradiction. In this paper, formalized proofs of two meta-theorems about a propositional fragment of a paraconsistent infinite-valued higher-order logic are presented. One implies that the validity of any formula can be decided by considering a finite number of truth values and evaluating the formula in all models over these. The other implies that there is no upper bound on the size of this finite set -- it depends on the number of propositional symbols in the formula.

Talk “Formalization of a Paraconsistent Infinite-Valued Logic” at ARQNL 2018 in Oxford

Related event
ARQNL 2018: Automated Reasoning in Quantified Non-Classical Logics 3rd International Workshop
18/07/2018 → …
Oxford, United Kingdom
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Exam in statistics, University of Århus
Period: 25 Jun 2018 → 26 Jun 2018
Anders Stockmarr (External examiner)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Activity: Examinations and supervision › External examination

Synchronization in stochastic oscillatory networks
Period: 18 Jun 2018
Erik Andreas Martens (External examiner)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Activity: Examinations and supervision › Internal examination
24th Annual Meeting of the Organization of Human Brain Mapping
Period: 17 Jun 2018 → 21 Jun 2018
Lærke Karen Krohne (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems
Degree of recognition: International

Related event
24th Annual Meeting of the Organization of Human Brain Mapping
17/06/2018 → 21/06/2018
Singapore, Singapore
Activity: Attending an event › Participating in or organising a conference

Does corticospinal excitability depend on oscillatory phase of the mu-rhythm?
Period: 17 Jun 2018 → 21 Jun 2018
Lærke Karen Krohne (Speaker)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
Poster

Related event
24th Annual Meeting of the Organization of Human Brain Mapping
17/06/2018 → 21/06/2018
Singapore, Singapore
Activity: Talks and presentations › Conference presentations

Eksamination in Bachelor project Social inequality in multimorbidity: The association between socioeconomic status and multimorbidity
Period: 12 Jun 2018
Anders Stockmarr (External examiner)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Activity: Examinations and supervision › External examination

2018 Summer Short Course on Causal Discovery
Period: 11 Jun 2018 → 15 Jun 2018
Lærke Karen Krohne (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
Short course and Datathon

Related event
2018 Summer Short Course on Causal Discovery
11/06/2018 → 15/06/2018
Pittsburgh, United States
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Local Isabelle Workshop  
Period: 6 Jun 2018  
Anders Schlichtkrull (Participant)  
Department of Applied Mathematics and Computer Science  
Algorithms and Logic  

Description  
Drawing Trees  

Speaker: Anders Schlichtkrull (joint work with Andreas Halkjær From and Jørgen Villadsen)  
Talk "Drawing Trees" at the Local Isabelle Workshop at DTU  

Related event  
Local Isabelle Workshop  
06/06/2018 → …  
Kgs. Lyngby, Denmark  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.  

Transmission of information in Thermoacoustic Tomography (TAT)  
Period: 5 Jun 2018  
Mirza Karamehmedovic (Guest lecturer)  
Department of Applied Mathematics and Computer Science  
Scientific Computing  
Neutrons and X-rays for Materials Physics  
Degree of recognition: International  

Related event  
SIAM Conference of Imaging Science  
05/06/2018 → 08/06/2018  
Bologna, Italy  
Activity: Talks and presentations › Conference presentations  

Phd Bazaar 2018 DTU Compute  
Period: 9 May 2018  
Anders Schlichtkrull (Participant)  
Department of Applied Mathematics and Computer Science  
Algorithms and Logic  

Description  
IsaFoL - Isabelle Formalization of Logic - a brief overview  

Speaker: Anders Schlichtkrull  
Talk "IsaFoL - Isabelle Formalization of Logic - a brief overview" at Phd Bazaar 2018 DTU Compute  

Related event  
Phd Bazaar 2018 DTU Compute  
09/05/2018 → …  
Kgs. Lyngby, Denmark  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.  

Active-subspace Analysis of Up-crossing Probability for Shallow-water Model  
Period: 17 Apr 2018  
Kenan Sehic (Guest lecturer)
Mirza Karamehmedovic (Guest lecturer)
Department of Applied Mathematics and Computer Science
Scientific Computing
Neutrons and X-rays for Materials Physics
Degree of recognition: International

Related event

SIAM Conference on Uncertainty Quantification
16/04/2018 → 19/04/2018
Garden Grove, United States
Activity: Talks and presentations › Conference presentations

Archives of Dairy Research and Technology (Journal)
Period: 3 Apr 2018 → 5 Apr 2018
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Paper review

Related journal

Archives of Dairy Research and Technology
Local database
Activity: Research › Peer review of manuscripts

Innotalk - En verden Uden hemmeligheder
Period: 22 Mar 2018
Anders Stockmarr (Participant)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related event

Innotalk - En verden Uden hemmeligheder
22/03/2018 → 22/03/2018
Copenhagen, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

3D printed system for testing intestinal drug transport
Period: 21 Mar 2018
Morten Leth Jepsen (Other)
Line Hagner Nielsen (Other)
Kristoffer Almdal (Other)
Anja Boisen (Other)
Martin Dufva (Other)
Department of Micro- and Nanotechnology
Fluidic Array Systems and Technology
Nanoprobes
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics
Department of Applied Mathematics and Computer Science
Related event

11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology
21/03/2018 → …
Granada, Spain
Activity: Talks and presentations › Conference presentations

Loading of poorly soluble drugs by supercritical CO2 impregnation into microcontainers for oral drug delivery
Period: 19 Mar 2018 → 22 Mar 2018
Chiara Mazzoni (Other)
Anastasia Antalaki (Other)
Rasmus Due Jacobsen (Other)
Jacob Mortensen (Other)
Fabio Tentor (Other)
Roman Slipets (Other)
Oleksii Ilichenko (Other)
Stephan Sylvest Keller (Other)
Line Hagner Nielsen (Other)
Anja Boisen (Other)
Department of Micro- and Nanotechnology
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics
Nanoprobes
Department of Applied Mathematics and Computer Science

Related event

11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology
21/03/2018 → …
Granada, Spain
Activity: Talks and presentations › Conference presentations

Udvidet Introducerende Statistik (02508)
Period: 13 Mar 2018 → 18 Jun 2018
Anders Stockmarr (Course lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Activity: Other

Active-subspace analysis of speckle patterns
Period: 6 Mar 2018
Mirza Karamahmedovic (Guest lecturer)
Department of Applied Mathematics and Computer Science
Scientific Computing
Neutrons and X-rays for Materials Physics
Degree of recognition: International
Documents:
Schedule_Full

Related event

17th Electromagnetic and Light Scattering Conference, Texas A&M University, College Station, TX, USA
04/03/2018 → 09/03/2018
College Station, United States
Activity: Talks and presentations › Conference presentations
NordSecMob Network meeting 2018 (Event)
Period: 5 Mar 2018
Flemming Stassen (Reviewer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Related event
NordSecMob Network meeting 2018
05/03/2018 → 05/03/2018
Espoo, Finland
Activity: Communication › Peer review of manuscripts

SecClo Network meeting 2018 (Event)
Period: 5 Mar 2018 → 6 Mar 2018
Flemming Stassen (Reviewer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Description
SecClo Network meeting 2
1st selection meeting

Related event
SecClo Network meeting 2018
05/03/2018 → 06/03/2018
Finland
Activity: Communication › Peer review of manuscripts

Talk in the Computational Logic Group at the University of Innsbruck
Period: 1 Mar 2018
Anders Schlichtkrull (Participant)
Department of Applied Mathematics and Computer Science
Algorithms and Logic

Description
IsaFoL - Isabelle Formalization of Logic - An Overview
Speaker: Anders Schlichtkrull

Abstract: IsaFoL is the Isabelle Formalization of Logic — a project that aims to develop libraries of lemmas and methods for formalizing research on logic. The project contains formalizations of several logics and tools. Examples are: first-order resolution, a first-order proof assistant, SAT solving and a paraconsistent logic. I give an overview of IsaFoL and go into details on the formalization of first-order resolution.

Talk "IsaFoL - Isabelle Formalization of Logic - An Overview" in the Computational Logic Group of the Department of Computer Science at the University of Innsbruck.

Related event
Talk in the Computational Logic Group at the University of Innsbruck
01/03/2018 → ...
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Probabilistic Gossip
Period: 27 Feb 2018
Anders Stockmarr (Invited speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Degree of recognition: National
Documents:
DSTS 27022018 ANST

Related event

Dansk Selskab for Teoretisk Statistik: Generalforsamling 2018
27/02/2018 → 27/03/2018
Copenhagen, Denmark
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Fjerde workshop for forsker- og udviklernetværk om multisygdom i Region Hovedstaden
Period: 22 Feb 2018
Anders Stockmarr (Participant)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related event

Fjerde workshop for forsker- og udviklernetværk om multisygdom i Region Hovedstaden
22/02/2018 → 22/02/2018
Copenhagen, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Fagprojekt 'Det går ufatteligt godt - eller gør det?'
Period: 5 Feb 2018 → 20 Jun 2018
Anders Stockmarr (Main supervisor)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Department of Management Engineering

Description
supervision og eksamen - for Emil Rendbæk Nygaard s164524, Mikkel Johanssen Feddersen s164507, Theis Schäfer Gregersen s160691, Andri Geir Arnason s164518, Jonatan Larsen Edry s165499.
Activity: Examinations and supervision › Supervisor activities

Bryghuset - Svendborg Demensby
Period: 2 Feb 2018
Anders Stockmarr (Guest lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Documents:
Bryghuset - Svendborg Demensby

Related event

Roboter på Tvaers: Workshop om robotter, Innovationsfonden
02/02/2018 → 02/02/2018
Odense, Denmark
Activity: Talks and presentations › Conference presentations

PACE – Proactive Care for Elderly People with Dementia
Period: 2 Feb 2018
Anders Stockmarr (Guest lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Documents:
Præsentation PACE 02022018

Related event
Roboter på Tværs: Workshop om robotter, Innovationsfonden
02/02/2018 → 02/02/2018
Odense, Denmark
Activity: Talks and presentations › Conference presentations

Assessment of Infection risk in a Drug Development Program
Period: 1 Feb 2018 → 12 Jun 2018
Anders Stockmarr (Main supervisor)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
supervision and exam for Masters project for Faiza Ahmed, s152160
Activity: Examinations and supervision › Internal examination

Bachelor project 'Strategies for acting simultaneously on northern european gas markets'
Period: 1 Feb 2018 → 15 Jun 2018
Anders Stockmarr (Main supervisor)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Department of Management Engineering

Description
Supervision and exam for Aleksander Pratt-Dam s153642 og Clara Frederikke Foss
Activity: Examinations and supervision › Supervisor activities

Stock market analysis and investment modelling
Period: 1 Feb 2018 → 29 Jun 2018
Anders Stockmarr (Main supervisor)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Supervision and exam on Masters project for Federico Romano s161184
Activity: Examinations and supervision › Supervisor activities

Time Series Analysis of Stock Prices
Period: 1 Feb 2018 → 29 Jun 2018
Anders Stockmarr (External examiner)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Supervision and exam for bachelor project of Helena Hansen s153178.
Activity: Examinations and supervision › Supervisor activities
3D printed system for based on hydrogels for drug transport
Period: 29 Jan 2018
Morten Leth Jepsen (Other)
Line Hagner Nielsen (Other)
Kristoffer Almdal (Other)
Anja Boisen (Other)
Martin Dufva (Other)
Department of Micro- and Nanotechnology
Fluidic Array Systems and Technology
Nanoprobes
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics
Department of Applied Mathematics and Computer Science
Description
3D printed system for based on hydrogels for drug transport
Related external organisation
University of Southern Denmark
Odense, Denmark
Activity: Talks and presentations › Conference presentations

Microcontainers for oral vaccine delivery
Period: 29 Jan 2018 → 31 Jan 2018
Line Hagner Nielsen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Department of Micro- and Nanotechnology
Nanoprobes
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics
Description
Oral presentation
Documents:
Odense meeting_Microcontainers for oral vaccine delivery
Related event
Northern Pharma Network Meeting
29/01/2018 → 31/01/2018
Odense, Denmark
Activity: Talks and presentations › Conference presentations

Polarization noise study in all-normal dispersion fiber supercontinuum generation
Period: 29 Jan 2018
Ivan Bravo Gonzalo (Speaker)
Rasmus Dybbro Engelsholm (Other)
Andreas Falkenstrøm Mieritz (Other)
Mads Peter Sørensen (Other)
Ole Bang (Other)
Department of Photonics Engineering
Fiber Sensors and Supercontinuum Generation
Department of Applied Mathematics and Computer Science
Dynamical Systems
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics

Related event

29/01/2018 → …
Activity: Talks and presentations › Conference presentations

IEEE Transactions on Image Processing (Journal)
Period: 26 Jan 2018
Tommi Olavi Brander (Reviewer)
Department of Applied Mathematics and Computer Science
Scientific Computing

Related journal

IEEE Transactions on Image Processing
1057-7149
Central database
Activity: Research › Peer review of manuscripts

Innovationsfondens Prisuddeling 2018
Period: 26 Jan 2018
Anders Stockmarr (Participant)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
invited participation
Links:
https://innovationsfonden.dk/da/priser

Related event

Innovationsfondens Prisuddeling 2018
26/01/2018 → 26/01/2018
Copenhagen, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Artifact removal for Unmanned Aerial System multispectral imagery based on tensor decomposition methods
Period: 22 Jan 2018 → 29 Jun 2018
Anders Stockmarr (Main supervisor)
Andreas Baum (Supervisor)
Monica Garcia (Supervisor)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Department of Environmental Engineering
Air, Land & Water Resources

Description
Supervision and exam for the Master project of Andri Freyr Þórðarson s160967
Activity: Examinations and supervision › Supervisor activities
Hybrid data tomography
Period: 22 Jan 2018 → 26 Jan 2018
Tommi Olavi Brander (Organizer)
Kim Knudsen (Organizer)
Bjørn Christian Skov Jensen (Organizer)
Ekaterina Sherina (Organizer)
Department of Applied Mathematics and Computer Science
Scientific Computing

Related event

Hybrid data tomography
22/01/2018 → 26/01/2018
Kongens Lyngby, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Eksamination in statistics, Public health science 5th term, University of Copenhagen
Period: 11 Jan 2018
Anders Stockmarr (External examiner)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Activity: Examinations and supervision › External examination

Boundary determination with interior data
Period: 4 Jan 2018
Tommi Olavi Brander (Speaker)
Department of Applied Mathematics and Computer Science
Scientific Computing
Degree of recognition: International

Related event

Finnish mathematical days 2018: Joint EMS-FMS-ESMTB Mathematical Weekend
04/01/2018 → 05/01/2018
Joensuu, Finland
Activity: Talks and presentations › Conference presentations

Statistical Genetics (02938)
Period: 2 Jan 2018 → 29 Jan 2018
Anders Stockmarr (Other)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Description
phd course
Degree of recognition: Local
Activity: Other

Statistical Genetics (02950)
Period: 2 Jan 2018 → 15 Jan 2018
Anders Stockmarr (Other)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Description**

**phd course**

Degree of recognition: Local

Activity: Other

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**Chaotic Mean Field Dynamics in Two Populations of Phase Oscillators with Heterogeneous Phase-Lag**

Period: 2017

Erik Andreas Martens (Speaker)

Department of Applied Mathematics and Computer Science

Dynamical Systems

**Description**

Talk

Degree of recognition: International

**Related event**

SIAM Conference on Applications of Dynamical Systems 2017

21/05/2017 → 26/05/2017

Snowbird, United States

Activity: Talks and presentations › Conference presentations

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**Chimera states - mythological monsters from math arise in the real world**

Period: 2017

Erik Andreas Martens (Speaker)

Department of Applied Mathematics and Computer Science

Dynamical Systems

Department of Electrical Engineering

**Description**

Invited topical lecture

Degree of recognition: International

**Related event**

ICMS Complexity Science Winter School 2017

13/02/2017 → 17/02/2017

Eindhoven, Netherlands

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

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**Inverse Problems and Imaging (Journal)**

Period: 2017

Tommi Olavi Brander (Reviewer)

Department of Applied Mathematics and Computer Science

Scientific Computing

**Related journal**

Inverse Problems and Imaging

1930-8337


Central database

Activity: Research › Peer review of manuscripts
Robotics and Computer-Integrated Manufacturing (Journal)
Period: 2017
Alessandro Stolfi (Reviewer)
Department of Applied Mathematics and Computer Science
Department of Mechanical Engineering
Manufacturing Engineering

Related journal
Robotics and Computer-Integrated Manufacturing
0736-5845
BFI (2018): BFI-level 1, Scopus rating (2017): CiteScore 4.11 SJR 1.041 SNIP 2.681, ISI indexed (2013): ISI indexed yes,
Web of Science (2018): Indexed yes
Central database
Activity: Research › Peer review of manuscripts

Mathematical modeling of neurons: Perspectives for the treatment of epilepsy
Period: 13 Dec 2017
Dimitri Boiroux (Guest lecturer)
Department of Applied Mathematics and Computer Science
Scientific Computing

Related external organisation
University of Rostock
Germany
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Implementation of enclosure method for p-Laplacian
Period: 12 Dec 2017
Tommi Olavi Brander (Speaker)
Department of Applied Mathematics and Computer Science
Scientific Computing
Degree of recognition: International

Related event
Inverse days
12/12/2017 → 14/12/2017
Oulu, Finland
Activity: Talks and presentations › Conference presentations

Controlling Chimeras
Period: 1 Dec 2017
Erik Andreas Martens (Guest lecturer)
Department of Applied Mathematics and Computer Science
Dynamical Systems

Description
Invited Talk
Degree of recognition: International

Related external organisation
Technische Universität Berlin
Germany
Activity: Talks and presentations › Conference presentations
Speed of evolution in spatially extended habitats
Period: Nov 2017
Erik Andreas Martens (Guest lecturer)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Degree of recognition: International

Related event
Workshop: Future Trends in Mathematical Biology: In vitro, in vivo, and in silico,
22/11/2017 → 23/11/2017
Kgs. Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

Hvad spærrer for god opklaring, læring og forebyggelse af ulykker
Period: 28 Nov 2017
Frank Huess Hedlund (Guest lecturer)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Statistics and Data Analysis

Description
What is blocking good accident investigation, learning and prevention of occupational accidents
Degree of recognition: National
Documents:
Workshop 411 - Frank Hedlund, Hvad spærrer opklaring

Related event
Arbejdsmiljøkonferencen AM:2017
27/11/2017 → 28/11/2017
Nyborg, Denmark
Activity: Talks and presentations › Conference presentations

SecClo Network meeting 1
Programme negotiations (Event)
Period: 22 Nov 2017 → 23 Nov 2017
Flemming Stassen (Reviewer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Related event
SecClo Network meeting 1
Programme negotiations
22/11/2017 → 23/11/2017
Espoo, Finland
Activity: Communication › Peer review of manuscripts

learnT DTU Conference 2017 - The 2nd Conference on Digital Learning Technology
Period: 17 Nov 2017
Charlotte Lærke Weitze (Organizer)
Helle Rootzén (Organizer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Related event
learnT DTU Conference 2017 - The 2nd Conference on Digital Learning Technology
17/11/2017 → …
2800 Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising a conference

‘The student as a game designer – What professional learning can students achieve when designing digital learning games?’
Period: 17 Nov 2017
Charlotte Lærke Weitze (Guest lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Degree of recognition: Local

Related event
learnT DTU Conference 2017 - The 2nd Conference on Digital Learning Technology
17/11/2017 → …
2800 Kgs. Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

Workshop: Create a concept for a learning game in one hour
Period: 17 Nov 2017
Charlotte Lærke Weitze (Guest lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Degree of recognition: National

Related event
learnT DTU Conference 2017 - The 2nd Conference on Digital Learning Technology
17/11/2017 → …
2800 Kgs. Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

Pilot Demonstration of Alarm Management in Oil & Gas Operations. - Decision Support from Functional Modelling.
Period: 14 Nov 2017 → 15 Nov 2017
Thomas Martini Jørgensen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Centre for oil and gas – DTU
Degree of recognition: International
Documents:
DHRTC-Presentation-abstracts
Links:
http://www.oilgas.dtu.dk/english/-/media/Andre_Universitetsenheder/Oilgas_ny/Tech-conf-17/DHRTC-Presentation-abstracts.ashx?la=da

Related organisation
Pilot Demonstration of Alarm Management in Oil & Gas Operations. - Decision Support from Functional Modelling.
Jørgensen, T. M. (Guest lecturer)
14 Nov 2017 → 15 Nov 2017
Activity: Talks and presentations › Conference presentations
**Proof Assistants and Related Tools - The PART & PART 2 Projects 2017**

**Period:** 9 Nov 2017

Anders Schlichtkrull (Participant)

Department of Applied Mathematics and Computer Science

Algorithms and Logic

**Description**

IsaFoL - Isabelle Formalization of Logic - A Brief Overview

Talk "IsaFoL - Isabelle Formalization of Logic - A Brief Overview"

**Related event**

**Proof Assistants and Related Tools - The PART & PART 2 Projects 2017**

07/09/2017 → 07/09/2017

Kgs. Lyngby, Denmark

Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**DeepLoc: Prediction of protein subcellular localization using deep learning**

**Period:** 3 Nov 2017

Henrik Nielsen (Guest lecturer)

Jose Juan Almagro Armenteros (Guest lecturer)

Department of Bio and Health Informatics

Disease Intelligence and Molecular Evolution

Department of Applied Mathematics and Computer Science

**Related external organisation**

Intomics A/S

Denmark

Activity: Talks and presentations › Conference presentations

**TCS and PAM seminar**

**Period:** 3 Nov 2017

Anders Schlichtkrull (Participant)

Department of Applied Mathematics and Computer Science

Algorithms and Logic

**Description**

Formalization of an Ordered Resolution Prover in Isabelle/HOL

**Abstract:**

This is joint work with Jasmin Christian Blanchette, Dmitriy Traytel and Uwe Waldmann.

We present a formalization of the first half of Bachmair and Ganzinger's chapter on resolution theorem proving in Isabelle/HOL, culminating with a refutationally complete first-order prover based on ordered resolution with literal selection. We develop general infrastructure and methodology that can form the basis of completeness proofs for related calculi (e.g., superposition). Our work clarifies several fine points in the chapter's text, emphasizing the value of formal proofs in the field of automated reasoning.

Talk at the TCS and PAM seminar of the Theoretical Computer Science group at the Vrije Universiteit Amsterdam.

**Related event**

**TCS and PAM seminar**

03/11/2017 → …

Amsterdam, Netherlands

Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Security at chemical facilities – overview of different regulatory approaches taken in EU Member States
Period: 2 Nov 2017
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Statistics and Data Analysis

Description
It is a European Union policy goal to enhance high-risk chemical facility security. This presentation presents some results of a study carried out for the European Commission, DG Home Affairs.
The study aimed to provide an overview of existing provisions and measures that help to enhance security at chemical facilities. These provisions and measures may for instance have their background in safety legislation or non-regulatory initiatives implemented by industry or in specific legislative provisions targeting security aspects implemented by individual Member States.
This presentation briefly reviews: 1) the concept of a high-risk chemical facility; 2) the analytical framework developed to identify security elements relevant for a chemical facility; and 3) possible synergies, the extent to which safety measures can be expected also to improve security. The study found that Member States have taken three distinct regulatory approaches: 1) folding security into Seveso safety legislation; 2) enlarging the scope of existing national security provisions; and 3) encouraging partnerships with industry associations to promote voluntary initiatives such as the security addendum to the Responsible Care programme.
Denmark has recently taken the first approach, adding security to Seveso (III) safety reporting. The presentation briefly reviews some of the resulting challenges.
Degree of recognition: International
Documents:
SRA Nordic Chapter 2017

Related event
02/11/2017 → 03/11/2017
Espoo, Finland
Activity: Talks and presentations › Conference presentations

GEOMETRICAL CHARACTERISATION OF INDIVIDUAL FIBRES FROM X-RAY TOMOGRAMS
Period: 27 Oct 2017
Monica Jane Emerson (Speaker)
Department of Applied Mathematics and Computer Science
Image Analysis & Computer Graphics

Description
Numerous modelling possibilities are opened up by an advanced image analysis pipeline that can accurately extract individual fibres from X-ray tomograms
Degree of recognition: International

Related event
30th Nordic Seminar on Computational Mechanics (NSCM-30)
25/10/2017 → 27/10/2017
Copenhagen
Activity: Talks and presentations › Conference presentations

Reflective, Creative and Computational Thinking Strategies Used When Students Learn Through Making Games
Period: 5 Oct 2017
Charlotte Lærke Weitze (Guest lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Related event

ECGBL 2017: 11th European Conference on Games Based Learning, ACPI. FH JOANNEUM University of Applied Science, Graz, Austria, 5-6 October 2017
05/10/2017 → 06/10/2017
Graz, Austria
Activity: Talks and presentations › Conference presentations

Aalto University
Period: 25 Sep 2017
Tommi Olavi Brander (Visiting researcher)
Department of Applied Mathematics and Computer Science
Scientific Computing

Description
Research collaboration with Antti Hannukainen and Nuutti Hyvönen.
Degree of recognition: International
Activity: Visiting an external institution › Visiting another research institution

Inferring feeding in Southern bluefin tuna from visceral temperature data using a mechanistic model of digestion
Period: 22 Sep 2017 → 27 Sep 2017
Uffe Høgsbro Thygesen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Degree of recognition: International

Biologging Symposium 2017
25/09/2017 → 29/09/2017
Konstanz, Germany
Activity: Talks and presentations › Conference presentations

Active-subspace analysis of speckle-based characterisation of particle suspensions
Period: 20 Sep 2017
Mirza Karamehmedovic (Guest lecturer)
Department of Applied Mathematics and Computer Science
Scientific Computing
Neutrons and X-rays for Materials Physics
Degree of recognition: International

Related event

Inverse Problems from Theory to Application
19/09/2017 → 21/09/2017
Cambridge, United Kingdom
Activity: Talks and presentations › Conference presentations

Active-subspace analysis of speckle-based particle measurements
Period: 20 Sep 2017
Mirza Karamehmedovic (Guest lecturer)
Department of Applied Mathematics and Computer Science
Scientific Computing
Related event

Inverse Problems from Theory to Application
19/09/2017 → 21/09/2017
Cambridge, United Kingdom
Activity: Talks and presentations › Conference presentations

ECSO 2017
Period: 20 Sep 2017 → 22 Sep 2017
Ignacio Blanco (Guest lecturer)
Daniela Guericke (Other)
Department of Applied Mathematics and Computer Science
Dynamical Systems

Description
European Conference on Stochastic Optimization
Links:
http://ecso2017.inf.uniroma3.it/

Related external organisation
Universita Roma Tre
Italy
Activity: Talks and presentations › Conference presentations

Microcontainers for oral vaccine delivery
Period: 18 Sep 2017 → 22 Sep 2017
Line Hagner Nielsen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Department of Micro- and Nanotechnology
Nanoprobes
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics

Description
Oral presentation
Documents:
MNE2017 Microcontainers for oral vaccine delivery

Related event

43rd International conference on Micro and Nano Engineering
18/09/2017 → 22/09/2017
Braga, Portugal
Activity: Talks and presentations › Conference presentations

Kroniske Sygdomme i Hovedstadsregionen – Borgerklynger, Storforbrugere og Socioøkonomiske Effekter
Period: 14 Sep 2017
Anders Stockmarr (Invited speaker)
Anne Frølich (Other)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Degree of recognition: Local

Related event
Tredie workshop for forsker-og udviklernetværk om multisygdom i Region Hovedstaden
14/09/2017 → 14/09/2017
København, Denmark
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

**Formal Merthods for Software Development**
Period: 11 Sep 2017 → 14 Sep 2017
Anne Elisabeth Haxthausen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Software and Process Engineering

**Description**
A PhD course.

**Related external organisation**
University of Florence
Italy
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**International Workshop on Business Process Intelligence**
Period: 10 Sep 2017 → 11 Sep 2017
Andrea Burattin (Organizer)
Department of Applied Mathematics and Computer Science
Software and Process Engineering
Degree of recognition: International

**Related event**
International Workshop on Business Process Intelligence
10/09/2017 → 11/09/2017
Barcelona, Spain
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**PACE – Proactive Care for Elderly People with Dementia**
Period: 7 Sep 2017
Anders Stockmarr (Guest lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Related event**
Hillerød city council: committee meeting
07/09/2017 → 07/09/2017
Hillerød, Denmark
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

**Proof Assistants and Related Tools - The PART & PART 2 Projects 2017**
Period: 7 Sep 2017
Anders Schlichtkrull (Participant)
Department of Applied Mathematics and Computer Science
Algorithms and Logic

**Description**
Anders Schlichtkrull (joint work with Jasmin Christian Blanchette, Dmitriy Traytel and Uwe Waldmann): Formalization of an Ordered Resolution Prover in Isabelle/HOL

Talk "Formalization of an Ordered Resolution Prover in Isabelle/HOL" at PART
Related event

**Proof Assistants and Related Tools - The PART & PART 2 Projects 2017**

07/09/2017 → 07/09/2017
Kgs. Lyngby, Denmark

Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Statistical Genetics (02586)**

Period: 4 Sep 2017 → 9 Dec 2017

Anders Stockmarr (Other)

Department of Applied Mathematics and Computer Science

Statistics and Data Analysis

**Description**

course at master level
Degree of recognition: Local
Activity: Other

**Sync patterns in phase oscillator in community network structure**

Period: Aug 2017

Erik Andreas Martens (Guest lecturer)

Department of Applied Mathematics and Computer Science

Dynamical Systems

**Description**

Invited Lecture, Advanced Study Group "From Microscopic to Collective Dynamics in Neural Circuits"
Degree of recognition: International

Related external organisation

**Max-Planck-Institute for the Physics of Complex Systems**

Germany

Activity: Talks and presentations › Conference presentations

**University of Florence**

Period: 15 Aug 2017 → 14 Sep 2017

Anne Elisabeth Haxthausen (Visiting researcher)

Department of Applied Mathematics and Computer Science

Software and Process Engineering

**Description**

Guest professor
Activity: Visiting an external institution › Visiting another research institution

**IFORS 2017**

Period: 17 Jul 2017 → 21 Jul 2017

Ignacio Blanco (Speaker)
Daniela Guericke (Other)

Department of Applied Mathematics and Computer Science

Dynamical Systems

Degree of recognition: International

Related event

**IFORS 2017: 21st Conference of the International Federation of Operations and Research**

17/07/2017 → 21/07/2017
Québec City, Canada
**Electrospraying Chitosan Particles for Oral Vaccine Delivery**
*Period: 16 Jul 2017 → 19 Jul 2017*
Line Hagner Nielsen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Department of Micro- and Nanotechnology
Nanoprobes
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics

**Description**
Poster presentation
Documents:
Abstract CRS 2017_electrospray

**Related event**
*44th Annual Meeting & Exposition of the Controlled Release Society*
16/07/2017 → 19/07/2017
Boston, United States

**Microcontainers as an Oral Drug Delivery System**
*Period: 16 Jul 2017 → 19 Jul 2017*
Line Hagner Nielsen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Department of Micro- and Nanotechnology
Nanoprobes
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics

**Description**
Poster presentation
Documents:
Abstract CRS 2017_microcontainers

**Related event**
*44th Annual Meeting & Exposition of the Controlled Release Society*
16/07/2017 → 19/07/2017
Boston, United States

**On multivariate Wilson bases**
*Period: 6 Jul 2017*
Jakob Lemvig (Invited speaker)
Department of Applied Mathematics and Computer Science
Mathematics

**Description**
Invited talk at the 12th International conference on Sampling Theory and Applications in Tallinn, Estonia.
Degree of recognition: International

**Related event**
*2017 International Conference on Sampling Theory and Applications*
03/07/2017 → 07/07/2017
Tallinn, Estonia
Activity: Talks and presentations › Conference presentations

**Decision-making for integrated energy systems**
*Period: 1 Jul 2017*
*Daniela Guericke (Invited speaker)*
*Department of Applied Mathematics and Computer Science*
*Dynamical Systems*
*Centre for IT-Intelligent Energy Systems in Cities*

**Description**
Presentation at 10th DS&OR Forum

**Related external organisation**
*University of Paderborn*
*Germany*
Activity: Talks and presentations › Conference presentations

**Symposium on Geometry Processing 2017**
*Period: 1 Jul 2017 → 5 Jul 2017*
*Jakob Andreas Bærentzen (Organizer)*
*Department of Applied Mathematics and Computer Science*
*Image Analysis & Computer Graphics*

**Description**
Papers co-chair
Degree of recognition: International

**Related event**
**Symposium on Geometry Processing 2017**
01/07/2017 → 05/07/2017
London, United Kingdom
Activity: Attending an event › Participating in or organising a conference

**Konstantin Klemm**
*Start date: Jun 2017 → Aug 2017*
*Erik Andreas Martens (Host)*
*Department of Applied Mathematics and Computer Science*
*Dynamical Systems*
*Department of Electrical Engineering*
*Degree of recognition: International*
*Activity: Hosting a guest lecturer*

**NeuroImage (Journal)**
*Period: Jun 2017 → …*
*Lærke Karen Krohne (Reviewer)*
*Department of Applied Mathematics and Computer Science*
*Cognitive Systems*

**Description**
Reviewer
Degree of recognition: International

**Related journal**
New approach for validating the segmentation of 3D data applied to individual fibre extraction
Period: 30 Jun 2017
Monica Jane Emerson (Speaker)
Department of Applied Mathematics and Computer Science
Image Analysis & Computer Graphics
Documents:
ICTMS2017_300617_monj presentation
Links:
https://www.dropbox.com/s/eq5528lplxomjqi/20170630_105434.mp4?dl=0 (Recorded talk)

Related event
3rd International Conference on Tomography of 3D Materials and Structures
26/06/2017 → 30/06/2017
Lund, Sweden
Activity: Talks and presentations › Conference presentations

Making use of Big Data in Industries- and the Challenge for the Design of Organizations
Period: 23 Jun 2017
Thomas Martini Jørgensen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Description
Presentation given at Digitalization Workshop at FL Smidth
Degree of recognition: Regional
Related external organisation
F.L. Smidth A/S
Denmark
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Modeling of dynamic functional networks for prediction of schizotypy
Period: 20 Jun 2017
Lærke Karen Krohne (Lecturer)
Department of Applied Mathematics and Computer Science
Cognitive Systems
Description
30 min symposium talk
Degree of recognition: International
Related event
2017 International Consortium for Research on Schizotypy
19/06/2017 → 20/06/2017
Beijing, China
Activity: Talks and presentations › Conference presentations
2017 International Consortium for Research on Schizotypy
Period: 19 Jun 2017 → 20 Jun 2017
Lærke Karen Krohne (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Related event

2017 International Consortium for Research on Schizotypy
19/06/2017 → 20/06/2017
Beijing, China
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Statistical modelling of space-time processes with application to wind power
Period: 16 Jun 2017
Anders Stockmarr (Internal examiner)
Thordis Thorarinsdottir (External examiner)
Robin Girard (External examiner)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Chairman of Phd defense
Degree of recognition: Local
Documents:
Announcement PhD defence Amanda Lenzi
Popular Science Summary Amanda Lenzi
Activity: Examinations and supervision › Internal examination

A Stochastic Method to Manage Delay and Missing Values for In-Situ Sensors in an Alternating Activated Sludge Process
Period: 13 Jun 2017
Peter Alexander Stentoft (Speaker)
Jan Kloppenborg Møller (Other)
Henrik Madsen (Other)
Peter Steen Mikkelsen (Other)
Thomas Munk-Nielsen (Other)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Department of Environmental Engineering
Urban Water Systems

Description
Oral Presentation
Degree of recognition: International

Related event

12th IWA Specialized Conference on Instrumentation, Control and Automation
11/06/2017 → 14/06/2017
Quebec, Canada
Activity: Talks and presentations › Conference presentations

Integration of Nanopillar SERS Substrates in a Microfluidic Platform for Analyte Separation and Quantitative Sensing
Period: 11 Jun 2017 → 17 Jun 2017
Onur Durucan (Guest lecturer)
Lidia Morelli (Guest lecturer)
Kaiyu Wu (Guest lecturer)
Marlitt Viehrig (Guest lecturer)
Oleksii Ilchenko (Guest lecturer)
Kinga Zor (Guest lecturer)
Marco Matteucci (Guest lecturer)
Tommy Sonne Alstrøm (Guest lecturer)
Tomas Rindzevicius (Guest lecturer)
Michael Stenbæk Schmidt (Guest lecturer)
Anja Boisen (Guest lecturer)

Department of Micro- and Nanotechnology
Nanoprobes
Center for Intelligent Drug Delivery and Sensing Using Microcontainers and Nanomechanics
Department of Applied Mathematics and Computer Science
Cognitive Systems

**Related event**

*9th International Conference on Advanced Vibrational Spectroscopy*

11/06/2017 → 17/06/2017
Victoria, Canada

Activity: Talks and presentations › Conference presentations

**Introduction to Applied Statistics with R for PhD Students**

Period: 9 Jun 2017 → 30 Jun 2017
Anders Stockmarr (Lecturer)
Bjarne Kjaer Ersbøll (Lecturer)
Elisabeth Wreford Andersen (Guest lecturer)
Murat Kulahci (Lecturer)
Andreas Baum (Lecturer)
Camilla Thyregod (Other)
Jesper Fink Andersen (Other)

Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Related organisation**

*Introduction to Applied Statistics with R for PhD Students*
Stockmarr, A. (Lecturer), Ersbøll, B. K. (Lecturer), Andersen, E. W. (Guest lecturer), Kulahci, M. (Lecturer), Baum, A. (Lecturer), Thyregod, C. (Other), Andersen, J. F. (Other)
9 Jun 2017 → 30 Jun 2017

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**Dynamics Days Europe 2017**

Period: 5 Jun 2017

Erik Andreas Martens (Speaker)

Department of Applied Mathematics and Computer Science
Dynamical Systems

Department of Electrical Engineering

**Description**

Organization of minisymposium "Complex patterns on networks"
Degree of recognition: International
Bounds on the stably recoverable information for the Helmholtz equation in $\mathbb{R}^2$

Period: 2 Jun 2017

Mirza Karamehmedovic (Guest lecturer)
Department of Applied Mathematics and Computer Science
Scientific Computing
Degree of recognition: International
Documents:
AIP_Abstract

DSWeb Magazine - The Dynamical Systems Web (Journal)
Period: May 2017
Erik Andreas Martens (Reviewer)
Department of Applied Mathematics and Computer Science
Dynamical Systems

Green Light for Smarter Methods in Railway Safety Verification
Period: 31 May 2017
Anne Elisabeth Haxthausen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Software and Process Engineering

Transport Summer Summit DTU 2017: Challenges, research and new developments within transportation, mobility and sustainability
Period: 31/05/2017 → 31/05/2017
Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

Decision-making under uncertainty for energy companies in smart cities
Period: 30 May 2017
Daniela Guericke (Speaker)
Ignacio Blanco (Other)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Centre for IT-Intelligent Energy Systems in Cities
Links:

Related event
CITIES consortium meeting 2017: Centre for IT–Intelligent Energy System in Cities
30/05/2017 → 31/05/2017
Aarhus, Denmark
Activity: Talks and presentations › Conference presentations

Canards in Stiction: On Solutions of a Friction Oscillator by Regularization
Period: 22 May 2017
Elena Bossolini (Speaker)
Department of Applied Mathematics and Computer Science
Mathematics
Description
We consider the problem of the friction oscillator using the stiction model of friction. This friction law has a discontinuity between the dynamic and the static regime. The discontinuity set has a sticking region in which the forward solution is non-unique. In particular, there are special points along these segments where the solution is tangent to the boundary of the discontinuity set. In order to resolve this uncertainty, we introduce a regularization of the vector field and we obtain a multiple-time-scale problem. Here the special points of the piecewise-smooth problem become folded saddles and a canard solution appears. We study the interaction of periodic orbits with the canard and we find that the the regularized problem has solutions that do not appear in the original problem.
Degree of recognition: International
Links:
http://meetings.siam.org/sess/dsp_programsess.cfm?SESSIONCODE=61861 (Minisymposium description)

Related event
SIAM Conference on Applications of Dynamical Systems 2017
21/05/2017 → 26/05/2017
Snowbird, United States
Activity: Talks and presentations › Conference presentations

Introduction to R
Period: 22 May 2017
Anders Stockmarr (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Department of Management Engineering
Description
Invited seminar talk
Degree of recognition: Local
Documents:
Intro R DTU Management Engineering
Intro R DTU Management Engineering

Related organisation
Introduction to R
Stockmarr, A. (Speaker)
**SIAM Conference on Applications of Dynamical Systems 2017**

*Period: 22 May 2017*

Morten Brøns (Participant)
Kristian Uldall Kristiansen (Participant)
Alan R. Champneys (Chairman)
John Hogan (Chairman)

Department of Applied Mathematics and Computer Science

**Mathematics**

**Description**

Canards in Stiction: On Solutions of a Friction Oscillator by Regularization

We consider the problem of the friction oscillator using the stiction model of friction. This friction law has a discontinuity between the dynamic and the static regime. The discontinuity set has a sticking region in which the forward solution is non-unique. In particular, there are special points along these segments where the solution is tangent to the boundary of the discontinuity set. In order to resolve this uncertainty, we introduce a regularization of the vector field and we obtain a multiple-time scale problem. Here the special points of the piecewise-smooth problem become folded saddles and a canard solution appears. We study the interaction of periodic orbits with the canard and we find that the the regularized problem has solutions that do not appear in the original problem.

**Degree of recognition:** International

**Links:**

http://meetings.siam.org/sess/dsp_programsess.cfm?SESSIONCODE=61861 (Minisymposium description)

**Related event**

**SIAM Conference on Applications of Dynamical Systems 2017**

*21/05/2017 → 26/05/2017*

Snowbird, United States

**Activity: Attending an event › Participating in or organising a conference**

**Applying LCA in decision making- the need and the future perspective**

*Period: 10 May 2017*

Yan Dong (Speaker)
Simona Miraglia (Other)
Stefano Manzo (Other)
Stylianos Georgiadis (Other)
Hjalte Jomo Danielsen Sørup (Other)
Elena Boriani (Other)
Tine Hald (Other)
Sebastian Thøns (Other)
Michael Zwicky Hauschild (Other)

Department of Management Engineering

Quantitative Sustainability Assessment

Centre for oil and gas – DTU

Transport DTU

Transport Modelling

Department of Applied Mathematics and Computer Science

Statistics and Data Analysis

Department of Environmental Engineering

Urban Water Systems
Related event

SETAC Europe: 27th Annual Meeting – Environmental Quality Through Transdisciplinary Collaboration
07/05/2017 → 13/07/2017
Brussels, Belgium
Activity: Talks and presentations › Conference presentations

SMATAD 2017
Period: 8 May 2017 → 11 May 2100
Ignacio Blanco (Participant)
Juan Miguel Morales González (Organizer)
Department of Applied Mathematics and Computer Science
Dynamical Systems

Related event

SMATAD 2017: Symposia on Mathematical Techniques Applied to Data Analysis and Processing
08/05/2017 → 11/05/2017
Fuengirola, Spain
Activity: Attending an event › Participating in or organising a conference

Applying LCA in decision making- the need and the future perspective
Period: 7 May 2017 → 11 May 2017
Yan Dong (Guest lecturer)
Simona Miraglia (Guest lecturer)
Stefano Manzo (Guest lecturer)
Stylianos Georgiadis (Guest lecturer)
Hjalte Jomo Danielsen Sørup (Guest lecturer)
Elena Boriani (Guest lecturer)
Tine Hald (Guest lecturer)
Sebastian Thöns (Guest lecturer)
Michael Zwicky Hauschild (Guest lecturer)
Department of Management Engineering
Quantitative Sustainability Assessment
Department of Civil Engineering
Transport DTU
Transport Modelling
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Department of Environmental Engineering
Urban Water Systems
There is nowadays a need of including sustainable considerations in the policy and decision making. Sound decision making requires evidence-based support, i.e. decision analysis to help decision makers in identifying the best alternative based on the associated impacts. Decision analysis includes four steps: 1) structure decision problem; 2) assess possible impacts associated with alternatives; 3) determine stakeholder preferences and 4) evaluate alternatives. Decision analysis can be performed applying different tools, such as cost-benefit analysis (CBA), risk assessment, and life cycle assessment (LCA).

LCA is a decision analysis tool that focuses on environmental impacts. One limit is that LCA is based on defined impact categories and therefore does not provide information for those impacts and consequences out of the LCA scope. However, the LCA framework closely follows the decision analysis scheme and has the potential to be integrated with other decision analysis tools to enhance their assessment of environmental impacts.

To understand why LCA is needed in the policy decision context, we looked into the decision support for policy in several disciplines. Taking sustainable transport policy as an example, the traditional decision analysis tool for choosing the best alternative is CBA. CBA mainly analyses socio-economic impacts, such as travel time savings and costs, while only some environmental impacts are considered; i.e. the damage costs of greenhouse gas emissions, particulate matters, SOx, NOx and noise. Therefore, current transport policy making rarely reflect a full environmental profile of the suggested alternatives. Making decisions based on incomplete information may lead to sub-optimal solutions, especially where the environment is a major concern. There is a growing attention of conducting LCA in transport. Some identified environmental hotspots, such as consumer and household behavior, which may be the focus for future policies. Others assess the environmental impacts associated with building infrastructures and vehicle use. These studies verify that LCA can successfully quantify the environmental profile of alternatives in transport policy, if the relevant physical changes, e.g. vehicle travel distance and new infrastructures, are well-defined. However, before integrating LCA with other decision analysis methods for decision support, the study system, objectives, scopes, evaluation metrics and uncertainty handling need to be aligned.

Degree of recognition: International

Links:
https://brussels.setac.org/

Related event

SETAC Europe: 27th Annual Meeting – Environmental Quality Through Transdisciplinary Collaboration
07/05/2017 → 13/07/2017
Brussels, Belgium
Activity: Talks and presentations › Conference presentations

Quantitative Measure of Optic Disc Drusen Location in Enhanced Depth Imaging Optical Coherence Tomography Scans
Period: 5 May 2017

Anne-Sofie Wessel Lindberg (Guest lecturer)

Department of Applied Mathematics and Computer Science

Image Analysis & Computer Graphics

Statistics and Data Analysis
Degree of recognition: International

Documents:
Final_poster_Arvo

Related event

Association for research In vision and ophthalmology
05/05/2017 → 11/05/2017
Baltimore, United States
Activity: Talks and presentations › Conference presentations

Computer Graphics Forum (Journal)
Period: 1 May 2017 → 1 May 2020

Jakob Andreas Bærentzen (Reviewer)
Chimera states—mythological monsters from mathsa rise in the real world

Period: Apr 2017
Erik Andreas Martens (Guest lecturer)
Department of Applied Mathematics and Computer Science

Making sense of Big Data

Period: 24 Apr 2017
Thomas Martini Jørgensen (Guest lecturer)
Department of Applied Mathematics and Computer Science

Making sense of Big Data

Jørgensen, T. M. (Guest lecturer)
24 Apr 2017

Activity: Talks and presentations in private or public companies and organisations

Theriogenology (Journal)

Period: 6 Apr 2017
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science

Related journal
Burden of disease of barbecued meat - who's at risk?
Period: 31 Mar 2017
Lea Sletting Jakobsen (Guest lecturer)
Stylianos Georgiadis (Guest lecturer)
Bo Friis Nielsen (Guest lecturer)
Anders Stockmarr (Guest lecturer)
Elena Boriani (Guest lecturer)
Lene Duedahl-Olesen (Guest lecturer)
Tine Hald (Guest lecturer)
Sara Monteiro Pires (Guest lecturer)
National Food Institute
Research Group for Risk-Benefit
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Research Group for Genomic Epidemiology
Research Group for Analytical Food Chemistry
Degree of recognition: International

Related external organisation
International Association for Food Protection
6200 Aurora Avenue, IA 50322-2864, Des Moines, United States
Activity: Talks and presentations › Conference presentations

IC3 and IC4 Trains Under Risk of Blocking their Wheels - A Big Data Case Story
Period: 21 Mar 2017
Anders Stockmarr (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
DTU Executive School of Business
Degree of recognition: Local
Documents:
DTU Management 2103017

Related event
Visit from Antwerp Management School to DTU Business
20/03/2017 → 22/03/2017
Activity: Talks and presentations › Conference presentations

Cities research for District Heating Innovation
Period: 6 Mar 2017
Alfred Heller (Speaker)
Henrik Madsen (Speaker)
Centre for IT-Intelligent Energy Systems in Cities
Department of Civil Engineering
Description
Workshop on further development of district heatings after 4DH.
Henrik presented mathematical tools for district heating, and Alfred presented the Science Cloud for District Heating Innovation.

Documents:
Data Infrastruktur - Niras møde Århus marts 2017 - Alfred Heller

Related external organisation
NIRAS A/S
Denmark
Activity: Talks and presentations › Conference presentations

Time Series Analysis (02417)
Period: 17 Feb 2017
Anders Stockmarr (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related organisation
Time Series Analysis (02417)
Stockmarr, A. (Speaker)
17 Feb 2017
Activity: Talks and presentations › Conference presentations

10th International Conference on Advanced Technologies and Treatments for Diabetes
Period: 15 Feb 2017 → 18 Feb 2017
Dimitri Boiroux (Participant)
Department of Applied Mathematics and Computer Science
Scientific Computing
Degree of recognition: International

Related event
10th International Conference on Advanced Technologies and Treatments for Diabetes
15/02/2017 → 18/02/2017
Paris, France
Activity: Attending an event › Participating in or organising a conference

Statistics
Period: 25 Jan 2017 → 26 Jan 2100
Anders Stockmarr (External examiner)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Exam in statistics at the publich health education programme, KU
Activity: Examinations and supervision › External examination

Statistical Genetics (02938)
Period: 6 Jan 2017 → 27 Jan 2017
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Lectured by Anders Stockmarr

Related event

Statistical Genetics
06/01/2017 → 14/01/2017
Kgs. Lyngby, Denmark
Activity: Other

Statistical Genetics (02950)
Period: 6 Jan 2017 → 14 Jan 2017
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science

Precision Engineering (Journal)
Period: 2016 → …
Alessandro Stolfi (Reviewer)
Department of Applied Mathematics and Computer Science
Department of Mechanical Engineering
Manufacturing Engineering
Degree of recognition: International

Related journal

Precision Engineering
0141-6359
Central database
Activity: Research › Peer review of manuscripts

Sensors (Journal)
Period: 2016 → …
Alessandro Stolfi (Reviewer)
Department of Applied Mathematics and Computer Science
Department of Mechanical Engineering
Manufacturing Engineering

Related journal

Sensors
1424-8220
Central database
Activity: Research › Peer review of manuscripts
Online Educa Berlin 2016
Period: 1 Dec 2016
Helle Rootzén (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related event

Online Educa Berlin 2016
30/11/2016 → 02/12/2016
Berlin, Germany
Activity: Talks and presentations › Conference presentations

Tidligere uheld på biogas- og renseanlæg, herunder danske
Period: 18 Nov 2016
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Statistics and Data Analysis

Related event

SEVESO-direktivet og sikkerhedsdokumenter til biogasanlæg
18/11/2016 → …
København, Denmark
Activity: Talks and presentations › Conference presentations

Making sense of big data for Produced Water Treatment
Period: 17 Nov 2016
Thomas Martini Jørgensen (Invited speaker)
Centre for oil and gas – DTU
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Documents:
DHRTC-Technology-Conference.

Related event

DHRTC Technology Conference 2016
16/11/2016 → 17/12/2016
Helsingør, Denmark
Activity: Talks and presentations › Conference presentations

INFORMS Annual Meeting
Period: 13 Nov 2016 → 17 Nov 2016
Ignacio Blanco (Speaker)
Juan Miguel Morales González (Other)
Department of Applied Mathematics and Computer Science
Dynamical Systems

Description

Related event
Introduction to applied statistics and R for PhD students (02935)
Anders Stockmarr (Speaker)
Guillermina Eslava (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related organisation
Introduction to applied statistics and R for PhD students (02935)
Stockmarr, A. (Speaker), Eslava, G. (Speaker)
4 Nov 2016 → 28 Nov 2016
Activity: Talks and presentations › Conference presentations

Optimization challenges in the evolution of energy networks to smart cities.
Ignacio Blanco (Speaker)
Juan Miguel Morales González (Other)
Department of Applied Mathematics and Computer Science
Dynamical Systems

Description
Optimization challenges in the evolution of energy networks to smart cities.

Related event
Optimization challenges in the evolution of energy networks to smart cities.
27/10/2016 → 28/10/2016
Coimbra, Portugal
Activity: Talks and presentations › Conference presentations

Optimization challenges in the evolution of energy networks to smart grids
Giulia De Zotti (Speaker)
Department of Applied Mathematics and Computer Science
Dynamical Systems

Description
Presentation about "Short-term Forecasting of Price-responsive Loads Using Inverse Optimization"

Workshop about optimization models and methods to address the challenges arising in the evolution of energy networks to smart grids.

Related event
Optimization challenges in the evolution of energy networks to smart grids
27/10/2016 → 28/10/2016
Coimbra, Portugal
Activity: Talks and presentations › Conference presentations

Big data og glatte skinner
Period: 11 Oct 2016
Anders Stockmarr (Invited speaker)
IC3 and IC4 Trains Under Risk of Blocking their Wheels - A Big Data Case story
Period: 3 Oct 2016
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Documents:
Big Data Business Academy 03102016 ANST

Related event
Big Data Business Academy
03/10/2016 → 05/10/2016
Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

University of Virginia
Period: 1 Oct 2016 → 10 Dec 2016
Dimitri Boiroux (Visiting researcher)
Department of Applied Mathematics and Computer Science
Scientific Computing
Activity: Visiting an external institution › Visiting another research institution

MAS & HOL
Period: 28 Sep 2016
Anders Schlichtkrull (Participant)
Department of Applied Mathematics and Computer Science
Algorithms and Logic

Description
Formalization of Algorithms and Logical inference Systems in Proof Assistants

Talk "Formalization of Algorithms and Logical inference Systems in Proof Assistants"

Related event
MAS & HOL
28/09/2016 → …
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Workshop on Business Process Intelligence
Period: 19 Sep 2016
Andrea Burattin (Organizer)
Department of Applied Mathematics and Computer Science
Software and Process Engineering
Degree of recognition: International

Related event

International Workshop on Business Process Intelligence
19/09/2016 → 19/09/2016
Rio de Janeiro, Brazil
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Heidelberg Laureate Forum
Period: 18 Sep 2016 → 23 Sep 2016
Hugo Daniel dos Santos Macedo (Participant)
Department of Applied Mathematics and Computer Science
Software and Process Engineering

Description
Attended the 4th Heidelberg Laureate Forum

Related event

Heidelberg Laureate Forum
18/09/2016 → 23/09/2016
Activity: Attending an event › Participating in or organising a conference

Veterinary Journal (Journal)
Period: 3 Sep 2016 → 17 Sep 2016
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
The Veterinary Journal
peer review of manuscript

Related journal

Veterinary Journal
1090-0233
BFI (2018): BFI-level 2, Scopus rating (2017): CiteScore 1.87 SJR 0.979 SNIP 1.22, ISI indexed (2013): ISI indexed yes,
Web of Science (2018): Indexed yes
Central database
Activity: Research › Peer review of manuscripts

Statistical Genetics (02586)
Anders Stockmarr (Other)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
master level course
Degree of recognition: Local
Activity: Other
Water permeability
Anders Stockmarr (Consultant)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
External consultancy

Related external organisation
MBH-international A/S
Allerød, Denmark
Activity: Public and private sector consultancy › Consultancy

Mathematics Working Group of the European Society for Engineering Education (External organisation)
Mirza Karamehmedovic (Participant)
Department of Applied Mathematics and Computer Science
Scientific Computing
Neutrons and X-rays for Materials Physics

Description
National contact point for Denmark
Degree of recognition: International

Related external organisation
Mathematics Working Group of the European Society for Engineering Education
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Nordic Number Theory Network Days IV: On the limits of towers over finite fields
Period: 3 Jun 2016 → 4 Jun 2016
Nurdagül Anbar Meidl (Invited speaker)
Department of Applied Mathematics and Computer Science
Mathematics

Related event
Nordic Number Theory Network Days IV
03/06/2016 → 04/06/2016
Copenhagen, Denmark
Activity: Talks and presentations › Conference presentations

Smart Energy and Stochastic Optimization
Period: 30 May 2016 → 2 Jun 2016
Giulia De Zotti (Participant)
Department of Applied Mathematics and Computer Science
Dynamical Systems

Description
International thematic week about stochastic optimization, decentralized optimization and their applications to the management of new energy systems.

Related event
Smart Energy and Stochastic Optimization
30/05/2016 → 02/06/2016
Paris, France
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

On curves over finite fields and their number of rational points
Period: 26 May 2016
Nurdagül Anbar Meidl (Lecturer)
Department of Applied Mathematics and Computer Science
Mathematics

Description
Sabancı University, İstanbul, Turkey

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

WikiCite 2016
Period: 25 May 2016 → 26 May 2016
Finn Årup Nielsen (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
Participation in Wikicite 2016

Related event
WikiCite 2016
25/05/2016 → 26/05/2016
Berlin, Germany
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

BAOJ Pediatrics (Journal)
Period: 20 May 2016
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal

BAOJ Pediatrics
Local database
Activity: Research › Peer review of manuscripts

Biology Letters (Journal)
Period: 20 May 2016
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Biology Letters

Related journal

Biology Letters
Curves with many rational points
Period: 18 May 2016 → 22 May 2016
Nurdagül Anbar Meidl (Invited speaker)
Department of Applied Mathematics and Computer Science
Mathematics

Related event
Antalya Algebra Days XVIII
19/05/2016 → 23/05/2016
İzmir, Turkey
Activity: Talks and presentations › Conference presentations

Veterinary Journal (Journal)
Period: 13 May 2016 → 20 May 2016
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal
Veterinary Journal
1090-0233
BFI (2018): BFI-level 2, Scopus rating (2017): CiteScore 1.87 SJR 0.979 SNIP 1.22, ISI indexed (2013): ISI indexed yes,
Web of Science (2018): Indexed yes
Central database
Activity: Research › Peer review of manuscripts

Club2
Period: 11 May 2016
Anders Schlichtkrull (Participant)
Department of Applied Mathematics and Computer Science
Algorithms and Logic

Description
Formalization of the Resolution Calculus for First-Order Logic
Speaker: Anders Schlichtkrull

Abstract: A formalization in Isabelle/HOL of the resolution calculus for first-order logic is presented. Its soundness and completeness are formally proven using the substitution lemma, semantic trees, Herbrand’s theorem, and the lifting lemma. In contrast to previous formalizations of resolution, it considers first-order logic with full first-order terms, instead of the propositional case.

Talk “Formalization of the Resolution Calculus for First-Order Logic” at Club2 of the Chair for Logic and Verification at the Technical University of Munich

Related event
Club2
11/05/2016 → …
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
**Biology Letters (Journal)**
Period: 27 Apr 2016
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Description**
Biology Letters

**Related journal**
Biology Letters

**Biology Letters**
1744-9561
Web of Science (2018): Indexed yes
Central database
Activity: Research › Peer review of manuscripts

**Nutrition & Metabolism (Journal)**
Period: 27 Apr 2016
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Related journal**
Nutrition & Metabolism

**Nutrition & Metabolism**
Scopus rating (2017): CiteScore 3.61 SJR 1.528 SNIP 1.138, Web of Science (2018): Indexed yes
Indexed in DOAJ
Local database
Activity: Research › Peer review of manuscripts

**Proof Assistants and Related Tools - The PART & PART 2 Projects 2016**
Period: 20 Apr 2016
Anders Schlichtkrull (Participant)
Department of Applied Mathematics and Computer Science
Algorithms and Logic

**Description**
Jørgen Villadsen & Anders Schlichtkrull: Computer-Checked Logical Inference Systems

Talk "Computer-Checked Logical Inference Systems" at PART

**Related event**
Proof Assistants and Related Tools - The PART & PART 2 Projects 2016
20/04/2016 → 20/04/2016
Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**HD-Tomo Days**
Period: 6 Apr 2016 → 8 Apr 2016
Mirza Karamahmedovic (Participant)
Department of Applied Mathematics and Computer Science
Scientific Computing
Neutrons and X-rays for Materials Physics

Description
HD-Tomo Days

Related event
HD-Tomo Days
06/04/2016 → 08/04/2016
Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising a conference

SIAM Conference on Uncertainty Quantification
Period: 5 Apr 2016 → 8 Apr 2016
Magnus Dam (Participant)
Department of Applied Mathematics and Computer Science
Mathematics
Plasma Physics and Fusion Energy

Description
Participation in conference

Related event
SIAM Conference on Uncertainty Quantification
05/04/2016 → 08/04/2016
Lausanne, Switzerland
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Notes on the computation of periodic orbits using Newton and Melnikov’s method: Stroboscopic vs Poincaré map
Albert Granados (Lecturer)
Department of Applied Mathematics and Computer Science
Mathematics

Description
Lecture notes for the subject "Dynamical Systems " held at DTU.
Documents:
week9_notes
Links:
https://arxiv.org/abs/1610.03363 (Arxiv's link)

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

Ecole Polytechnique Federale de Lausanne (EPFL)
Magnus Dam (Visiting researcher)
Department of Applied Mathematics and Computer Science
Mathematics
Plasma Physics and Fusion Energy

Description
Research Stay at EPFL
An external stay at the Mathematics Institute of Computational Science and Engineering (MATHICSE) at École
Polytechnique Fédérale de Lausanne. Performed work on PhD project supervised by Professor Jan Hesthaven.

Activity: Visiting an external institution › Visiting another research institution

**Introduction to applied statistics and R for PhD students (02935)**
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Related external organisation**

**Unknown external organisation**
Activity: Talks and presentations › Conference presentations

**NordSecMob Network meeting (Event)**
Period: 19 Feb 2016
Flemming Stassen (Reviewer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

**Description**
NordSecMob Network meeting
29 selection meeting

**Related event**

**NordSecMob Network meeting 2016**
19/02/2016 → …
Finland
Activity: Communication › Peer review of manuscripts

**Inverse scattering problems in characterisation of nanomaterials**
Period: 11 Feb 2016
Mirza Karamehmedovic (Invited speaker)
Department of Applied Mathematics and Computer Science
Scientific Computing
Neutrons and X-rays for Materials Physics

**Description**
Inverse scattering problems in characterisation of nanomaterials
Degree of recognition: International

**Related event**

**Inverse scattering problems in characterisation of nanomaterials**
11/02/2016 → …
Sarajevo, Bosnia and Herzegovina
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**Formel Modellering og Verifikation af Jernbanekontrolsystemer: Et eksempel fra RobustRailS WP 4.1**
Period: 3 Feb 2016
Anne Elisabeth Haxthausen (Invited speaker)
Department of Applied Mathematics and Computer Science
Software and Process Engineering
Invited talk at the Inauguration of RailTech DTU, the Centre for Rail Technology

Workshop on Finite Fields: Arcs, Curves and Bent Functions
Period: 1 Feb 2016 → 3 Feb 2016
Nurdagül Anbar Meidl (Speaker)
Department of Applied Mathematics and Computer Science
Mathematics
Description
A new tower meeting Zink's bound with good p-rank

Workshop on Finite Fields: Arcs, Curves and Bent Functions
01/02/2016 → 03/02/2016
İstanbul, Turkey
Activity: Talks and presentations › Conference presentations

Multivariate Time Series Estimation using marima
Period: 26 Jan 2016
Henrik Spliid (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

38. Symposium i Anvendt Statistik 2016
25/01/2016 → 27/01/2016
Copenhagen, Denmark
Activity: Talks and presentations › Conference presentations

A new tower meeting Zink's bound with good p-rank, Ankara, Turkey
Period: 23 Dec 2015
Nurdagül Anbar Meidl (Lecturer)
Mathematics
Department of Applied Mathematics and Computer Science

Sikkerhed, sikring og sikkerhedskultur
Period: 14 Dec 2015
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Statistics and Data Analysis
Fællesarrangement mellem IDA – SAM (selskab for arbejdsmiljø) og IDA – RISK (selskab for risikovurdering)
Ingeniørhuset, København

Sikkerhed, sikring og sikkerhedskultur,
Indlæg om sikkerhed og sikring, herunder præsentation af resultater fra opgave for EU kommissionen om sikring af Seveso anlæg.
Documents:
Frank Hedlund IDA sikkerhed, sikring

Related event
Sikkerhed, sikring og sikkerhedskultur
14/12/2015 → 14/12/2015
Denmark
Activity: Talks and presentations › Conference presentations

Arithmetic Geometry: Explicit Methods and Applications
Period: 7 Dec 2015 → 11 Dec 2015
Nurdagül Anbar Meidl (Speaker)
Mathematics
Department of Applied Mathematics and Computer Science

Description
On the limits of a cubic tower

Related event
Arithmetic Geometry: Explicit Methods and Applications
07/12/2015 → 11/12/2015
Moscow, Russian Federation
Activity: Talks and presentations › Conference presentations

1st Nordic Chapter Risk Conference
Period: 16 Nov 2015
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Failure to learn after accidents – the lamentable situation in Denmark

Related event
1st Nordic Chapter Risk Conference: The Future of Risk Analysis in the Nordic Countries
16/11/2015 → 17/11/2015
Lund, Sweden
Activity: Talks and presentations › Conference presentations

Failure to learn after accidents – the lamentable situation in Denmark
Period: 16 Nov 2015
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Learning from own – and better, other people’s – past accidents and misfortune is an ancient accident prevention strategy. The benefits of such learning are obvious. What is not so obvious, however, is how to make this seemingly simple and straightforward idea work in practice. This presentation presents evidence in support of the view that such learning processes appear to be impeded, dysfunctional or entirely absent in Denmark. Two Danish accident cases in which major learning opportunities were foregone will be presented. The first case relates to a wood pellet facility, a sustainable renewable energy project, which experienced a devastating dust explosion. The accident was insufficiently investigated and root cause issues relating to principles of inherent safety were not identified. As a result, a repeat explosion took place eight years later. The case offers a text book example of the truism that if accidents are not investigated, and root causes not identified, accidents recur. The second case (not presented). In both cases, significant sector-relevant learning opportunities were foregone. Indeed, the cases have slipped into oblivion. There is no useful information in open sources that could potentially prevent repeat occurrences elsewhere. Learning is absent.

Related event

1st Nordic Chapter Risk Conference: The Future of Risk Analysis in the Nordic Countries
16/11/2015 → 17/11/2015
Lund, Sweden
Activity: Talks and presentations › Conference presentations

International Journal of Agricultural Sciences (Journal)
Period: 13 Nov 2015 → 19 Nov 2015
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal

International Journal of Agricultural Sciences
Local database
Activity: Research › Peer review of manuscripts

Somatic Cell Count in Milk from Dairy Cattle: The Dilution Effect Matters
Period: 7 Nov 2015
Kaare Græsbøll (Speaker)
Department of Applied Mathematics and Computer Science
National Veterinary Institute
Section for Epidemiology
Documents:
Abstract

Related event

14th Conference of the International Society for Veterinary Epidemiology and Economics
03/11/2015 → 07/11/2015
Mérida, Yucatan, Mexico
Activity: Talks and presentations › Conference presentations

Predicting the Future Average Production of a Dairy Cow
Period: 6 Nov 2015
Kaare Græsbøll (Speaker)
Department of Applied Mathematics and Computer Science
National Veterinary Institute
Section for Epidemiology
ISVEE FAP

14th Conference of the International Society for Veterinary Epidemiology and Economics
03/11/2015 → 07/11/2015
Mérida, Yucatan, Mexico
Activity: Talks and presentations › Conference presentations

Veterinary Journal (Journal)
Period: 3 Nov 2015 → 5 Nov 2015
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal

Veterinary Journal
1090-0233
Central database
Activity: Research › Peer review of manuscripts

Columbia University
Period: 1 Nov 2015 → 31 Jan 2016
Helle Rootzén (Visiting researcher)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Visiting Professor
Activity: Visiting an external institution › Visiting another research institution

World Customs Organization Technology and Innovation Forum
Jens Kristian Munk (Participant)
Department of Micro- and Nanotechnology
Surface Engineering
Department of Applied Mathematics and Computer Science

Description
World Customs Organization Technology and Innovation Forum 2015

Related event

World Customs Organization Technology and Innovation Forum
26/10/2015 → 29/10/2015
Rotterdam, Netherlands
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Which priorities for a European policy on multimorbidity?
Period: 27 Oct 2015
Anders Stockmarr (Participant)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
participation in conference
Links:
http://ec.europa.eu/health/ageing/events/ev_20151027_en.htm (Conference home page)

Related event

Which priorities for a European policy on multimorbidity?
27/10/2015 → 27/10/2015
Brussels, Belgium
Activity: Attending an event › Participating in or organising a conference

10 years of NordSecMob: The NordSecMob journey
Period: 17 Oct 2015
Flemming Stassen (Invited speaker)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Related event

NordSecMob Alumni Conference
17/10/2015 → 18/10/2015
Stockholm, Sweden
Activity: Talks and presentations › Conference presentations

BSc program Strategic Analysis and Systems Design (Event)
Period: 6 Oct 2015 → …
Anders Stockmarr (Participant)
Department of Applied Mathematics and Computer Science
Department of Management Engineering

Description
Member of monitoring group

Member of DTU Internal monitoring group for the BSc program Strategic Analysis and Systems Design
Links:
http://www.dtu.dk/english/education/bachelor--beng-and-bsc-/bsc/strategic_analysis_and_systems_design (Strategic Analysis and Systems Design)

Related event

BSc program Strategic Analysis and Systems Design
06/10/2015 → …
Denmark
Activity: Membership › Membership of research networks or expert groups

University of Southern Denmark (External organisation)
Period: 29 Sep 2015 → 21 Dec 2015
Jens Gravesen (Participant)
Department of Applied Mathematics and Computer Science
Mathematics

Description
The Ph.D. committee of Konstantin Filonenko, University of Southern Denmark
Thesis: Mathematical modelling of the Purcell effect in plasmonic nanostructures

The Ph.D. committee of Konstantin Filonenko, University of Southern Denmark Thesis: Mathematical modelling of the
Purcell effect in plasmonic nanostructures

Body type: Ph.D committee
Degree of recognition: International

Related external organisation

University of Southern Denmark
Odense, Denmark
Activity: Membership › Membership in review committee

Proof Assistants and Related Tools - The PART & PART 2 Projects 2015
Period: 23 Sep 2015
Anders Schlichtkrull (Participant)
Department of Applied Mathematics and Computer Science
Algorithms and Logic

Description
Formalization of Resolution Calculus in Isabelle
Talk "Formalization of Resolution Calculus in Isabelle" at PART

Related event

Proof Assistants and Related Tools - The PART & PART 2 Projects 2015
23/09/2015 → 24/09/2015
Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

On the p-rank of the tower of Bassa, Beelen, Garcia and Stichtenoth, Linz, Austria
Period: 22 Sep 2015
Nurdagül Anbar Meidl (Lecturer)
Department of Applied Mathematics and Computer Science

Description
Talk at Johann Radon Institute (RICAM), Linz, Austria

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

P L o S One (Journal)
Period: 21 Sep 2015 → 31 Dec 2015
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal

P L o S One
1932-6203
Indexed in DOAJ
Central database
Activity: Research › Peer review of manuscripts
CRIM-TRACK: Sensor system for detection of criminal chemical substances
Period: 20 Sep 2015
Jens Kristian Munk (Speaker)
Department of Micro- and Nanotechnology
Surface Engineering
Department of Applied Mathematics and Computer Science

Related event
SPIE Security + Defence 2015
21/09/2015 → 24/09/2015
Toulouse, France
Activity: Talks and presentations › Conference presentations

National Academy Science Letters (Journal)
Period: 16 Sep 2015 → 1 Oct 2015
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal
National Academy Science Letters
Local database
Activity: Research › Peer review of manuscripts

Segmentation and characterization of fibers
Period: 15 Sep 2015
Vedrana Andersen Dahl (Invited speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Documents:
20150915_fibersegmentering

Related event
CT Scanning Erfa-gruppe
15/09/2015 → …
Kgs. Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

An Introduction to Multisensory Perception
Period: 8 Sep 2015
Tobias Andersen (Lecturer)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Related external organisation
University of Copenhagen
Thorvaldsensvej 40, DK-1871 Frederiksberg C, Copenhagen, Denmark
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Dynamics Days Europe 2015
Period: 6 Sep 2015 → 10 Sep 2015
Magnus Dam (Participant)
Department of Applied Mathematics and Computer Science
Mathematics
Department of Physics
Plasma Physics and Fusion Energy

Description
Attended conference and presented a poster.
Documents:
TopologicalBifurcation poster - Magnus

Related event
Dynamics Days Europe 2015
06/09/2015 → 10/09/2015
Exeter, United Kingdom
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Statistical Quality Control (02413)
Period: 3 Sep 2015 → 9 Dec 2015
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related event
Statistical Quality Control
03/09/2015 → 09/12/2015
Kgs. Lyngby, Denmark
Activity: Other

02411 Statistical Design and Analysis of Experiments
Period: 1 Sep 2015 → 31 Aug 2016
Camilla Thyregod (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Course lecturer

Related organisation
02411 Statistical Design and Analysis of Experiments
Thyregod, C. (Lecturer)
1 Sep 2015 → 31 Aug 2016
Activity: Other

International Workshop on Business Process Intelligence
Period: 31 Aug 2015
Andrea Burattin (Organizer)
Department of Applied Mathematics and Computer Science
Software and Process Engineering
Degree of recognition: International

Related event
International Workshop on Business Process Intelligence
31/08/2015 → 31/08/2015
Innsbruck, Austria
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Statistical Genetics (02586)**

**Period:** 31 Aug 2015 → 17 Dec 2015

Anders Stockmarr (Lecturer)

Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Description**

lectured by Anders Stockmarr

**Related event**

**Statistical Genetics**
31/08/2015 → 17/12/2015
Kgs. Lyngby, Denmark
Activity: Other

**A Smart Mobile Lab-on-Chip-Based Medical Diagnostics System Architecture Designed For Evolvability**

**Period:** 27 Aug 2015

François Patou (Speaker)

Department of Micro- and Nanotechnology
Nano Bio Integrated Systems
Department of Applied Mathematics and Computer Science

**Description**

Oral presentation

**Related event**

**Digital Systems Design 2015: Special Session on Advanced Systems for Healthcare, Sports and Wellness**
26/08/2015 → 28/08/2015
Funchal, Portugal
Activity: Talks and presentations › Conference presentations

**Training School on Big Data and Data Warehousing**

**Period:** 27 Aug 2015

Ana Carolina Lopes Antunes (Participant)

Department of Applied Mathematics and Computer Science
National Veterinary Institute

**Related event**

**Training School on Big Data and Data Warehousing**
26/08/2015 → 28/08/2015
Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**IC3 and IC4 Trains Under Risk of Blocking their Wheels: A case study on challenges when working with data from multiple databases**

**Period:** 26 Aug 2015

Anders Stockmarr (Invited speaker)

Statistics and Data Analysis
Department of Applied Mathematics and Computer Science
Big Data, Data Warehousing, and Data Analytics: EU-COST FAIM Training School  
26/08/2015 → 29/08/2015  
Lyngby, Denmark  
Activity: Talks and presentations › Conference presentations

**Battling Bluetongue and Schmallenberg virus: Local scale behavior of transmitting vectors**  
Period: 10 Aug 2015  
Anders Stockmarr (Invited speaker)  
Department of Applied Mathematics and Computer Science  
Statistics and Data Analysis  
National Veterinary Institute  
Section for Epidemiology  
Documents:  
Infectious Diseases 1008 2015 Anders Stockmarr  
Abstract_Anders_Stockmarr_et_al_Infectious_Diseases_2015

**World Congress on Infectious Diseases 2015**  
10/08/2015 → 12/08/2015  
London, United Kingdom  
Activity: Talks and presentations › Conference presentations

**Ph.D. School-Conference on "Mathematical Modeling of Complex Systems"**  
Magnus Dam (Participant)  
Department of Applied Mathematics and Computer Science  
Mathematics  
Department of Physics  
Plasma Physics and Fusion Energy

**Description**  
Course participation

**Related event**

**Ph.D. School-Conference on "Mathematical Modeling of Complex Systems"**  
20/07/2014 → 30/07/2015  
Patras, Greece  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**CryptoForma Workshop**  
Period: 13 Jul 2015  
Omar Almousa (Speaker)  
Department of Applied Mathematics and Computer Science  
Language-Based Technology

**Description**  

**Related event**
A Data-driven Bidding Model for a Cluster of Price-responsive Consumers of Electricity

Period: 12 Jul 2015 → 17 Jul 2015
Juan Miguel Morales González (Invited speaker)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Centre for IT-Intelligent Energy Systems in Cities

Related event

22nd International Symposium on Mathematical Programming
12/07/2015 → 17/07/2015
Pittsburgh, United States
Activity: Talks and presentations › Conference presentations

International Synthetic and Systems Biology Summer School

Period: 5 Jul 2015 → 9 Jul 2015
Hasan Baig (Participant)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Description
Presented a poster in SSBSS (Synthetic and Systems Biology Summer School) 2015 in Taormina, Italy.

Related event

International Synthetic and Systems Biology Summer School
15/06/2014 → 19/06/2014
Taormina, Italy
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Daniella Kornelia Fußeder, TU Kaiserslautern (External organisation)

Period: 1 Jul 2015 → 29 Oct 2015
Jens Gravesen (Participant)
Department of Applied Mathematics and Computer Science
Mathematics

Description
On the Ph.D. committee for Daniella Kornelia Fußeder, TU Kaiserslautern
Thesis: Isogeometric finite element methods for shape optimization


Body type: Ph.D. committee
Degree of recognition: International

Related external organisation

Daniella Kornelia Fußeder, TU Kaiserslautern
Activity: Membership › Membership in review committee

Montreal Clinical Research Institute (IRCM)

Sabrina Lyngbye Wendt (Visiting researcher)
Department of Applied Mathematics and Computer Science
Scientific Computing

**Description**
External Research Stay
Activity: Visiting an external institution › Visiting another research institution

**Danish Exam - Novice Level**
Period: 10 Jun 2015
Sabrina Lyngbye Wendt (External examiner)
Department of Applied Mathematics and Computer Science
Scientific Computing

**Description**
Censor in oral and written test for Novice level.
Activity: Examinations and supervision › External examination

**ICES**
Period: 9 Jun 2015
Gilles Guillot (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

**Description**
ICES working group on Spatial data

**Related event**
ICES Working Group on Spatial Fisheries Data
08/06/2015 → 12/06/2015
Denmark, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Nordic Environmental Social Science Conference**
Period: 9 Jun 2015 → 11 Jun 2015
Juan Miguel Morales González (Speaker)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Centre for IT-Intelligent Energy Systems in Cities

**Description**
Speaker in the Nordic Environmental Social Science Conference

**Related event**
Nordic Environmental Social Science Conference: Energy Systems and Markets
09/06/2015 → 11/06/2015
Trondheim, Norway
Activity: Talks and presentations › Conference presentations

**Introduction to applied statistics and R for PhD students (02935)**
Period: 8 Jun 2015 → 26 Jun 2015
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

Statistical Genetics (02938)
Period: 1 Jun 2015 → 19 Jun 2015
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
phd course
Lectured by Anders Stockmarr

Related event

Statistical Genetics
01/06/2015 → 19/06/2015
Kgs. Lyngby, Denmark
Activity: Other

Member of PhD committee (External organisation)
Period: May 2015
Gilles Guillot (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
Member of PhD committee, mathematics department, Aalborg university

Related external organisation

Member of PhD committee
Activity: Membership › Membership in review committee

15th International Conference on Arithmetic, Geometry, Cryptography and Coding Theory
Nurdagül Anbar Meidl (Speaker)
Department of Applied Mathematics and Computer Science
Mathematics

Description
On idempotent quadratic functions and the weight distribution of subcodes of Reed-Muller codes

Related event

15th International Conference on Arithmetic, Geometry, Cryptography and Coding Theory
18/05/2015 → 22/05/2015
Marseille, France
Activity: Talks and presentations › Conference presentations
Description
Slow-fast analysis of Earthquake Faulting

Description of the ongoing research on the model for earthquake faulting with the rate and state friction law.

Degree of recognition: International

Documents:
Poster_SIAMDS2015

Related event

SIAM Conference on Applications of Dynamical Systems
Snowbird, Utah, United States
Activity: Attending an event › Participating in or organising a conference

Statistical modelling for energy system planning
Period: 11 May 2015
Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Model and inference algorithm to combine genetic, phenotypic and geographic information
Period: 29 Apr 2015
Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Species delimitation in the age of genomics
28/04/2015 → 30/04/2015
Canberra, Australia
Activity: Talks and presentations › Conference presentations

University of Southern Denmark (External organisation)
Jens Gravesen (Participant)
Department of Applied Mathematics and Computer Science
Mathematics

Description
Assessment committee for position as Associate Professor in Applied Mathematics and Control, University of Southern Denmark

Assessment committee for position as Associate Professor in Applied Mathematics and Control, University of Southern Denmark

Body type: Assessment committee
Degree of recognition: International

Related external organisation
University of Southern Denmark
Odense, Denmark
Activity: Membership › Membership in review committee

Combining text mining and coordinate-based meta-analysis
Period: 21 Apr 2015
Finn Årup Nielsen (Invited speaker)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
From invited talk given at Neuroimaging meta-analysis methods workshop in Paris and organized by Bertrand Thirion. 2015 April.

Documents:
NielsenF2015Combining_slides

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

9th International Workshop on Coding and Cryptography (WCC 2015)
Period: 13 Apr 2015 → 17 Apr 2015
Nurdagül Anbar Meidl (Speaker)
Department of Applied Mathematics and Computer Science
Mathematics

Description
On the nonlinearity of idempotent quadratic functions and the weight distribution of subcodes of Reed-Muller codes

Related event
9th International Workshop on Coding and Cryptography (WCC 2015)
13/04/2015 → 17/04/2015
Paris, France
Activity: Talks and presentations › Conference presentations
From non-smooth to smooth friction models, using regularisation and slow-fast theory
Elena Bossolini (Speaker)
Department of Applied Mathematics and Computer Science
Mathematics

Description
Presented the outline of the PhD project and preliminary results
Documents:
Poster_DCAMM2015

Related event
DCAMM 15th Internal Symposium
16/03/2015 → 18/03/2015
Horsens, Denmark
Activity: Talks and presentations › Conference presentations

Aerobiologica (Journal)
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal
Aerobiologica
Local database
Activity: Research › Peer review of manuscripts

DI's arbejdsmiljøkonference 2015
Period: 10 Mar 2015
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Links:
http://di.dk/diuddannelse/Konferencer/Pages/DIsarbejdsmiljoekonference20151216-9723.aspx

Related event
DI's arbejdsmiljøkonference 2015
10/03/2015 → …
Odense, Denmark
Activity: Talks and presentations › Conference presentations

KPI'er og strategisk arbejdsmiljøarbejde
Period: 24 Feb 2015
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Links:
https://ida.dk/event/312891

Related event
KPI'er og strategisk arbejdsmiljøarbejde
24/02/2015 → …
København, Denmark
Activity: Talks and presentations › Conference presentations
February Fourier Talks  
Period: 23 Feb 2015 → 27 Feb 2015  
Mads Sielemann Jakobsen (Participant)  
Department of Applied Mathematics and Computer Science  
Mathematics  
Description  
I presented a poster on "Generalized Translation Invariant Frames" at the February Fourier Talks at the Norbert Wiener Center for Applied Harmonic Analysis at the University of Maryland, College in the USA.

Related event  
February Fourier Talks  
23/02/2015 → 27/02/2015  
College Park, Maryland, USA, United States  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Models and Modes of Audiovisual integration  
Period: 18 Feb 2015  
Tobias Andersen (Lecturer)  
Department of Applied Mathematics and Computer Science  
Cognitive Systems  
Description  
Invited lecture at Swansea University  
Documents:  
TobiasAndersenSwanseaTalk180215

Related external organisation  
Unknown external organisation  
Activity: Talks and presentations › Conference presentations

Time Series Analysis (TSA); 02417  
Period: 5 Feb 2015 → 30 Jun 2015  
Anders Stockmarr (Lecturer)  
Department of Applied Mathematics and Computer Science  
Statistics and Data Analysis  
Related event  
Time Series Analysis  
05/02/2015 → 30/06/2015  
Kgs. Lyngby, Denmark  
Activity: Other

NordSecMob Network meeting 2015 (Event)  
Period: 29 Jan 2015 → 30 Jan 2015  
Flemming Stassen (Reviewer)  
Department of Applied Mathematics and Computer Science  
Embedded Systems Engineering  
Description  
NordSecMob Network meeting  
29 selection meeting
**The likelihood principle and its proof – a never-ending story**

Period: 27 Jan 2015

Thomas Martini Jørgensen (Lecturer)

Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**37th Symposium i Anvendt Statistik 2015**

Period: 26 Jan 2015 → 28 Jan 2015

**Comparison of different methods for calculating usual intakes**

Anja Pia Biltoft-Jensen (Other)
Elisabeth Wreford Andersen (Speaker)

National Food Institute
Division of Risk Assessment and Nutrition
Department of Informatics and Mathematical Modeling

**Description**

Det 37. symposium i anvendt statistik 26.-28. januar 2015- Danmarks Tekniske Universitet

**Related external organisation**

Danmarks Statistik
Denmark

**Social inequality in obesity and the obesity epidemic for children: A review**

Anders Stockmarr (Speaker)

Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Related event**

37th Symposium i Anvendt Statistik 2015

Period: 26/01/2015 → 28/01/2015

Kongens Lyngby, Denmark

**19th Nordic Process Control Workshop**

Period: 16 Jan 2015

Dimitri Boiroux (Speaker)

Department of Applied Mathematics and Computer Science
Related event

19th Nordic Process Control Workshop
13/01/2015 → 16/01/2015
Trondheim, Norway
Activity: Talks and presentations › Conference presentations

Sleep spindles: Breaking the methodological wall (Journal)
Period: 7 Jan 2015 → 1 Jun 2015
Sabrina Lyngbye Wendt (Reviewer)
Department of Applied Mathematics and Computer Science

Related journal

Sleep spindles: Breaking the methodological wall
Local database
Activity: Research › Peer review of manuscripts

10th Danish-French workshop in Spatial Statistics
Period: 2014
Gilles Guillot (Invited speaker)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
10th Danish-French workshop in Spatial Statistics,

Related event

10th Danish-French workshop in Spatial Statistics
21/05/2014 → 23/05/2014
Aalborg, Denmark
Activity: Talks and presentations › Conference presentations

Global Energy Forecasting Competition 2014
Period: 2014 → …
Pierre Pinson (Participant)
Department of Electrical Engineering
Center for Electric Power and Energy
Energy Analytics and Markets
Department of Applied Mathematics and Computer Science

Description
Global Energy Forecasting Competition 2014: GEFCom2014

Related event

Global Energy Forecasting Competition 2014
15/08/2015 → 15/12/2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Journal of Forecasting (Journal)
Period: 2014 → …
Optical Coherence Tomography for biomedical imaging
Period: 12 Dec 2014
Thomas Martini Jørgensen (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Workshop held by the Copenhagen Imaging Network (CIN) on the use of large facilities for biomedical research, taking place on December 12th from 9.00 - 12.00. The venue is Copenhagen Admiral Hotel, Tolbodgade 24-28, 1253 Copenhagen.

Related event
Workshop on the use of large facilities for biomedical research: Copenhagen imaging network
12/12/2014 → …
Copenhagen, Denmark
Activity: Talks and presentations › Conference presentations

Assessment committee PhD Scholarships, DTU compute (External organisation)
Period: 10 Nov 2014
Gilles Guillot (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Related external organisation
Assessment committee PhD Scholarships, DTU compute
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
Modeling categorial audiovisual perception: pitfalls and solutions
Period:  7 Nov 2014
Tobias Andersen (Lecturer)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Introduction to applied statistics and R for PhD students (02935)
Period:  3 Nov 2014 → 21 Nov 2014
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Workshop on effects of global change on species' range fluctuations using intra-specific genetic variation in both phenotypic and molecular data
Gilles Guillot (Invited speaker)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Mysterious fires in Moirans-en-Montagne checkmated the town’s crisis management team: Theme: Crisis management
Period:  22 Oct 2014
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science

Description
Kompetencedage autumn 2014.
The biannual symposium "Competence Days“ are organized by Samtænkning, a unit under the Ministry of Defence (Denmark). (www.samtaenkning.dk)
Documents:
Program for kompetenceudviklingsdage på Kastellet 22 og 23 oktober 2014

Related event
Kompetencedage efterår 2014: Tema: Krisestyring
22/10/2014 → 23/10/2014
Copenhagen, Denmark
Activity: Talks and presentations › Conference presentations
Doctoral school course: Computational Harmonic Analysis - with applications
Mads Sielemann Jakobsen (Participant)
Department of Applied Mathematics and Computer Science
Mathematics

Description
Doctoral school with lectures, exercises and poster session at the CIRM in Marseille.

Related event

Doctoral school course: Computational Harmonic Analysis - with applications
20/10/2014 → 24/10/2014
Marseille, France
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Layered Surface Detection in Micro-CT Tetra Pak Data
Period: 7 Oct 2014
Vedrana Andersen Dahl (Invited speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis
Documents:
ERFA_meeting_20141007_removed

Related event

ERF
07/10/2014 → …
Lund, Sweden
Activity: Talks and presentations › Conference presentations

MEK/Compute seminar
Period: 3 Oct 2014
Vedrana Andersen Dahl (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Surface Detection and Segmentation
Documents:
VAND_MEK

Related event

MEK/Compute seminar
03/10/2014 → …
Kgs. Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

Advances in Architectural Geometry 2014
Period: 18 Sep 2014 → 21 Sep 2014
Toke Bjerne Nørnberg (Participant)
Department of Applied Mathematics and Computer Science
Mathematics
**Description**
Participation in conference and presenting poster

Advances in Architectural Geometry conference

Documents:
AAGposter

Links:
http://www.architecturalgeometry.org/aag14/ (Conference homepage)

**Related event**

**Advances in Architectural Geometry 2014**
18/09/2014 → 21/09/2014
London, United Kingdom
Activity: Attending an event › Participating in or organising a conference

**Technische Universität Graz**
Period: 13 Sep 2014 → 13 Feb 2015
Toke Bjerge Nørbjerg (Visiting researcher)
Department of Applied Mathematics and Computer Science
Mathematics

**Description**
PhD research stay at the Institute of Geometry at TU Graz
Activity: Visiting an external institution › Visiting another research institution

**Occupational health and safety management audit systems – developments, challenges and perspectives**
Period: 10 Sep 2014
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Degree of recognition: International

Documents:
NOSHCON 2014 Draft Programme
Links:
http://www.noshcon.co.za/

**Related event**

**53rd Annual Occupational Risk Management Conference and Exhibition**
09/09/2014 → 12/09/2014
South Africa
Activity: Talks and presentations › Conference presentations

**National Academy Science Letters (Journal)**
Period: 9 Sep 2014 → 23 Sep 2014
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Related journal**

**National Academy Science Letters**
Local database
Activity: Research › Peer review of manuscripts

**An Introduction to Multisensory Perception**
Period: 2 Sep 2014
Tobias Andersen (Lecturer)
Related external organisation

University of Copenhagen
Thorvaldsensvej 40, DK-1871 Frederiksberg C, Copenhagen, Denmark
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Statistical Genetics
Period: 1 Sep 2014 → 9 Dec 2014
Anders Stockmarr (Lecturer)
Department of Systems Biology
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
Lected by Andres Stockmarr

Related event

Statistical Genetics
01/09/2014 → 09/12/2014
Kgs. Lyngby, Denmark
Activity: Other

36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society
Lærke Karen Krohne (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Related event

36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society
26/08/2014 → 30/08/2014
Chicago, IL, United States
Activity: Attending an event › Participating in or organising a conference

51st Culham Plasma Physics Summer School
Magnus Dam (Participant)
Department of Applied Mathematics and Computer Science
Mathematics
Department of Physics
Plasma Physics and Fusion Energy

Description
Presented a poster.
Documents:
LH transition poster by M Dam (2014)

Related event

51st Culham Plasma Physics Summer School
14/07/2014 → 25/07/2014
Abingdon, Oxfordshire, United Kingdom
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Erhvervs- og Vækstministeriet (External organisation)**
Period: 1 Jul 2014 → 30 Jun 2019
Flemming Stassen (Participant)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

**Description**
Appeal Board of Patents and Trademarks
Technical reviewer (reappointment)

Body type: Appeal Board
Links:
http://www.pvanke.dk/pvanke/

**Related external organisation**
Erhvervs- og Vækstministeriet
Slotholmsgade 10-12, 1216, København K, Denmark
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**Early Maximum-Likelihood Estimation as a model of audiovisual integration of speech**
Period: 11 Jun 2014
Tobias Andersen (Lecturer)
Department of Applied Mathematics and Computer Science
Cognitive Systems

**Related event**
**15th International Multisensory Research Forum**
11/06/2014 → 14/06/2014
Amsterdam, Netherlands
Activity: Talks and presentations › Conference presentations

**Weather Intelligence for Renewable Urban Areas**
Period: 2 Jun 2014 → 3 Jun 2014
Anna Maria Sempreviva (Organizer)
Meteorology
Department of Wind Energy
Department of Informatics and Mathematical Modeling

**Description**
COST WIRE and CITIES WORKSHOP,

Documents:
Participants & Programme 29052014
Links:
http://www.wire1002.ch/ (COST ACTION E1002 Weather Intelligence for Renewable Energy)

**Related event**
**Weather Intelligence for Renewable Urban Areas**
02/06/2014 → 03/06/2014
Roskilde, Denmark
Activity: Attending an event › Participating in or organising a conference

**Introduction to applied statistics and R for PhD students (02935)**
Period: 21 May 2014 → 9 Jun 2014
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Related external organisation**

**Unknown external organisation**
Activity: Talks and presentations › Conference presentations

**Lecture**
Period: Apr 2014
Gilles Guillot (Lecturer)
Department of Applied Mathematics and Computer Science
Cognitive Systems

**Related event**

**PhD course 2014: Institute Gulbenkian**
17/03/2014 → 22/11/2014
Lisbon, Portugal
Activity: Talks and presentations › Conference presentations

**Seminar of the Department of Biology**
Period: Apr 2014
Gilles Guillot (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

**Description**
Seminar at the University of Bern

**Related event**

**Seminar of the Department of Biology**
07/04/2014 → 10/04/2014
Berne, Switzerland
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Programming in R**
Period: 30 Apr 2014 → 2 May 2014
Anders Stockmarr (Participant)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Description**
Continuing education course lectured by Anders Stockmarr and Kasper Kristensen

**Related external organisation**

**Amadeus Scandinavia**
Copenhagen, Denmark
Activity: Other
17th International Conference on Artificial Intelligence and Statistics
Sofie Therese Hansen (Participant)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
Poster at 17th International Conference on Artificial Intelligence and Statistics
Documents:
poster_SofieAISTATS

Related event
17th International Conference on Artificial Intelligence and Statistics
22/04/2014 → 25/04/2014
Reykjavik, Iceland
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

National Academy Science Letters (Journal)
Period: 9 Apr 2014 → 13 May 2014
Anders Stockmarr (Reviewer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal
National Academy Science Letters
Local database
Activity: Research › Peer review of manuscripts

Programming in R
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
3 day intensive course.
Course lectured by Anders Stockmarr and Kasper Kristensen.

Related event
Course: Programming in R
24/03/2014 → 26/03/2014
Lyngby, Denmark
Activity: Other

Sleep spindle scoring: performance of humans versus machines
Period: 21 Mar 2014
Sabrina Lyngbye Wendt (Speaker)
Department of Electrical Engineering
Department of Applied Mathematics and Computer Science
Links:
http://www.clinph-journal.com/article/S1388-2457(14)50141-1/abstract
Related event

30th International Congress of Clinical Neurophysiology
19/03/2014 → 23/03/2014
Berlin, Germany
Activity: Talks and presentations › Conference presentations

Inverse scattering: from formulation to application
Period: 10 Mar 2014
Mirza Karamehmedovic (Invited speaker)
Department of Applied Mathematics and Computer Science
Scientific Computing
Department of Physics
Neutrons and X-rays for Materials Physics

Related event

Lecture at International University of Sarajevo
10/03/2014 → …
Sarajevo, Bosnia and Herzegovina
Activity: Talks and presentations › Conference presentations

Programming in R
Period: 4 Feb 2014 → 6 Feb 2014
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
3 day intensive course.

Course lectured by Anders Stockmarr and Kasper Kristensen.

Related event

Course: Programming in R
04/02/2014 → 06/02/2014
Denmark
Activity: Other

NordSecMob Network meeting 2014 (Event)
Period: 29 Jan 2014 → 30 Jan 2014
Flemming Stassen (Reviewer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Description
NordSecMob Network meeting

27 selection meeting.

Related event

NordSecMob Network meeting 2014
29/01/2014 → …
Finland
**Activity: Research › Peer review of manuscripts**

**Computational Models of Attention and Perception**
**Period:** 28 Jan 2014  
**Tobias Andersen (Lecturer)**  
Department of Applied Mathematics and Computer Science  
Cognitive Systems

**Description**  
Neuroscience Seminar Series, Department of Experimental Psychology, University of Oxford

**Related external organisation**

**Image reconstruction and analysis workshop**
**Period:** 28 Jan 2014  
**Vedrana Andersen Dahl (Speaker)**  
Department of Applied Mathematics and Computer Science  
Statistics and Data Analysis

**Description**  
Two segmentation methods: 1) multiphase image segmentation using the deformable simplicial complex method, and 2) volumetric segmentation using mesh-based optimal graph search

**Documents:**  
segmentation_slides

**Related event**

**Image reconstruction and analysis workshop**  
28/01/2014 → 28/01/2014  
Copenhagen, Denmark  
Activity: Talks and presentations › Conference presentations

**Symposium i Anvendt Statistik**  
**Period:** 28 Jan 2014  
**Anders Stockmarr (Speaker)**  
Department of Applied Mathematics and Computer Science  
Statistics and Data Analysis

**Description**  
IC3 and IC4 Trains at risk for Blocking Their Wheels

**Documents:**  
Symposium i Anvendt Statistik 28012014 ANST version 2

**Related event**

**Symposium i Anvendt Statistik 2014**  
27/01/2014 → 29/03/2014  
Copenhagen, Denmark  
Activity: Talks and presentations › Conference presentations

**National Academy Science Letters (Journal)**  
**Period:** 25 Jan 2014 → 8 Feb 2014  
**Anders Stockmarr (Reviewer)**
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related journal
National Academy Science Letters
Local database
Activity: Research › Peer review of manuscripts

Adaptivity Framework: libpappadapt
Period: 22 Jan 2014
Lars Frydendal Bonnichsen (Speaker)
Department of Applied Mathematics and Computer Science
Language-Based Technology
Embedded Systems Engineering

Description
Præsentation af adaptivity biblioteket libpappadapt udviklet i PaPP projektet

PaPP tutorial presentation ved HiPEAC’14, se: http://www.hipeac.net/conference/vienna/tutorial/papp
Documents:
PaPP_Adaptivity_0.50_speed

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

NordSecMob Winter School on Innovation
Period: 6 Jan 2014 → 11 Jan 2014
Flemming Stassen (Organizer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Description
Winter school for NordSecMob students, PhDs and Academics

NordSecMob Winter School on Innovation
Documents:
NSM14WS - Programme

Related event
NordSecMob Winter School on Innovation: Security and Mobile Computing
06/01/2014 → 07/03/2014
Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising a conference

Journal of the Royal Statistical Society (Journal)
Period: 1 Jan 2014 → 31 Dec 2014
Gilles Guillot (Editor)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
Associate Editor, series A
Related journal

*Journal of the Royal Statistical Society*

Local database

Activity: Research › Journal editor

**Member of the Editorial Board Population Ecology (External organisation)**

**Period:** 1 Jan 2014 → 31 Dec 2014

Gilles Guillot (Participant)

Department of Applied Mathematics and Computer Science

Cognitive Systems

**Description**

Body type: Journal

**Related external organisation**

**Member of the Editorial Board Population Ecology**

Activity: Membership › Board duties in companies, associations, or public organisations

**Discrimination ability of the Energy score(s)**

**Period:** 2013

Pierre Pinson (Lecturer)

Department of Electrical Engineering

Center for Electric Power and Energy

Department of Applied Mathematics and Computer Science

**Description**

Invited seminar at University of Heidelberg, Institute of Applied Mathematics, workshop on "Evaluation of multivariate probabilistic forecasts"

**Related external organisation**

**Unknown external organisation**

Activity: Talks and presentations › Conference presentations

**Prevoir l’électricite produite par nos energies renouvelables**

**Period:** 2013

Pierre Pinson (Participant)

Department of Applied Mathematics and Computer Science

Department of Electrical Engineering

Center for Electric Power and Energy

**Description**

Broad-audience short letter (in French), for the French edition of Mathematics for Planet Earth (Mathematiques de la planete Terre), "Un jour, une breve", online at mpt2013.fr

Activity: Other

**Rendre la consommation d’électricite plus flexible et controlable**

**Period:** 2013

Pierre Pinson (Participant)

Department of Electrical Engineering

Center for Electric Power and Energy

Department of Applied Mathematics and Computer Science
Renewable energy forecasts ought to be probabilistic!
Period: 2013
Pierre Pinson (Lecturer)
Department of Applied Mathematics and Computer Science
Department of Electrical Engineering
Center for Electric Power and Energy

Description
Invited lecture at "WIPFOR - Forecasting for the energy industry", Paris, France

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

Renewables in electricity markets: Stochastic modelling and optimization
Period: 2013
Pierre Pinson (Lecturer)
Department of Applied Mathematics and Computer Science
Department of Electrical Engineering
Center for Electric Power and Energy

Description
Invited seminar at Wroclaw University of Technology, Poland

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

Stochastic power generation from renewables: forecasting and optimization challenges for its optimal integration.
Period: 2013
Pierre Pinson (Lecturer)
Department of Applied Mathematics and Computer Science
Department of Electrical Engineering
Center for Electric Power and Energy

Description
Invited lecture at "Energy Systems Week", Isaac Newton Institute, University of Cambridge, UK

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

The value of probabilistic information for energy applications - from theory to reality.
Period: 2013
Pierre Pinson (Lecturer)
Department of Electrical Engineering
Center for Electric Power and Energy
Which distance measure is best for training and testing protein pair potentials?
Period: 3 Dec 2013
Peter Røgen (Lecturer)
Department of Applied Mathematics and Computer Science
Scientific Computing
Documents:
abstractCarlsenRoegenKoehl2

Arieties of cross-modal interactions and multi-sensory integration effects: Invited lecture at Otto-von-Guericke-Universität Magdeburg, Germany
Period: 29 Nov 2013
Tobias Andersen (Lecturer)
Department of Applied Mathematics and Computer Science
Cognitive Systems
Description
When two or more senses provide information about a single attribute of the environment the brain can integrate information across the senses in a process of multisensory integration. This effect is particularly striking when it influences categorical judgments as in the McGurk illusion where an acoustic speech segment, which is clearly perceived as /ba/ can be perceived as /da/ when dubbed onto a video of a talker saying /ga/. In addition to multisensory integration, the senses influence each other in a number of ways. Information in one sensory modality can, for example, guide attention in another sensory modality. In this presentation I will go through a number of studies of audiovisual perception with categorical judgments. I will discuss how experimental design and computational modelling can help tease apart some of the many varieties of multisensory integration and cross-modal interactions.

SIAM conference on Geometric and Physical Modeling
Toke Bjerge Nørbjerg (Participant)
Department of Applied Mathematics and Computer Science
Mathematics
Description
Participation in conference and contribution to poster session
Related event

SIAM conference on Geometric and Physical Modeling
11/11/2013 → 14/11/2013
Denver, Colorado, United States
Activity: Attending an event › Participating in or organising a conference

ASME 2013 Rail Transportation Division
Daniele Bigoni (Speaker)
Department of Applied Mathematics and Computer Science
Scientific Computing

Description
Participation and presentation of a paper by the title: "Modern uncertainty quantification methods in railroad vehicle dynamics".
Documents:
Bigoni, Engsig-Karup, True - 2013 - Modern Uncertainty Quantification Methods in Railroad Vehicle Dynamics

Related event

ASME 2013 Rail Transportation Division Fall Technical Conference
15/10/2013 → 17/10/2013
Altoona, PA, United States
Activity: Talks and presentations › Conference presentations

Design of Experiments
Period: Sep 2013 → …
Camilla Thyregod (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
3 day course
Activity: Other

An Introduction to Multisensory Perception
Period: 9 Sep 2013
Tobias Andersen (Guest lecturer)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Description
Guest-lecture.

Related external organisation

University of Copenhagen
Thorvaldsensvej 40, DK-1871 Frederiksberg C, Copenhagen, Denmark
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Statistical Genetics
Period: 2 Sep 2013 → 10 Dec 2013
Anders Stockmarr (Lecturer)
Past explosive outbursts of entrapped carbon dioxide in salt mines provide a new perspective on the hazards of carbon dioxide.

**Period:** 27 Aug 2013 → 29 Aug 2013

Frank Huess Hedlund (Speaker)

Department of Applied Mathematics and Computer Science

**Description**

ABSTRACT: This paper reports on a source of past carbon dioxide accidents which so far has only been sporadically mentioned in the literature. Violent and highly destructive outbursts of hundreds of tons of CO2 occurred regularly, if not routinely, in the now closed salt mines of the former DDR. The Menzengraben mine experienced an extreme outburst in 1953, possibly involving a several thousand tons of carbon dioxide. This source of accidents fills an important gap in the available carbon dioxide accident history and may provide a unique empirical perspective on the hazards of handling very large amounts of CO2.

Related event

**4th International Conference on Risk Analysis and Crisis Response: Intelligent Systems and Decision Making for Risk Analysis and Crisis Response**

27/08/2013 → 29/08/2013

Istanbul, Turkey

Activity: Talks and presentations › Conference presentations


**Period:** 27 Aug 2013 → 29 Aug 2013

Frank Huess Hedlund (Speaker)

Department of Applied Mathematics and Computer Science

**Description**

ABSTRACT: The paper examines recent evidence from Denmark and abroad with climate change projects that aim to reduce global carbon dioxide emissions by converting coal fired thermal power plants to solid biomass fuel. The paper argues that projects appear to be pursued narrow-mindedly with insufficient attention paid to safety and points to evidence of media-shifting - that the 'resolution' of a problem within the environmental domain creates a new problem in the workplace safety domain. The paper argues that biomass pellets qualify as an emerging risk for which proper control strategies have yet to be developed.

co-author: John Astad, Combustible Dust Institute, USA
Related event

4th International Conference on Risk Analysis and Crisis Response: Intelligent Systems and Decision Making for Risk Analysis and Crisis Response
27/08/2013 → 29/08/2013
Istanbul, Turkey
Activity: Talks and presentations › Conference presentations

23rd Symposium on Dynamics of Vehicles on Roads and Tracks (IAVSD 2013)
Period: 19 Aug 2013 → 23 Aug 2013
Daniele Bigoni (Speaker)
Department of Applied Mathematics and Computer Science
Scientific Computing
Description
Participation and presentation of a paper by with title "SENSITIVITY ANALYSIS OF THE CRITICAL SPEED IN RAILWAY VEHICLE DYNAMICS".
Documents:
Bigoni, True, Engsig-karup - 2013 - Sensitivity Analysis of the critical speed in railway vehicle dynamics

Related event

23rd Symposium on Dynamics of Vehicles on Roads and Tracks (IAVSD 2013)
19/08/2013 → 23/08/2013
Qingdao, China
Activity: Talks and presentations › Conference presentations

Estimating the phylogenetic history for two related populations A Hidden Markov Model approach to finding phylogenetic trees: A Hidden Markov Model approach to finding phylogenetic trees
Period: Jul 2013
Gilles Guillot (Internal examiner)
Cognitive Systems
Department of Applied Mathematics and Computer Science
Description
Master thesis
Activity: Examinations and supervision › Internal examination

21st Annual International Conference on Intelligent Systems for Molecular Biology | 12th European Conference on Computational Biology
Period: 19 Jul 2013 → 23 Jul 2013
Martin Carlsen (Participant)
Department of Applied Mathematics and Computer Science
Scientific Computing
Description
Poster: On optimal metric training and testing of protein residue pair potentials

Related event

21st Annual International Conference on Intelligent Systems for Molecular Biology | 12th European Conference on Computational Biology
19/07/2013 → 23/07/2013
Berlin, Germany
Activity: Attending an event › Participating in or organising a conference

Investigating the use of stochastic forecast for RTC of urban drainage systems
Period: 25 Jun 2013
Roland Löwe (Lecturer)
Department of Applied Mathematics and Computer Science
Dynamical Systems
Urban Water Engineering

Related event
8th International Conference on Planning and Technologies for Sustainable Urban Water Management
23/06/2013 → 27/06/2013
Lyon, France
Activity: Talks and presentations › Conference presentations

Universiti Teknologi Malaysia
Period: 30 May 2013 → 29 Aug 2013
Francesc/François Antón Castro (Visiting researcher)
Department of Informatics and Mathematical Modeling
Geodesy

Description
Visiting Full Professor
3D GIS Research Group at the Faculty of Geoinformation and Real Estate, UTM.
Activity: Visiting an external institution › Visiting another research institution

Light Scattering
Period: 27 May 2013 → 28 May 2013
Mirza Karamehmedovic (Participant)
Department of Applied Mathematics and Computer Science
Scientific Computing
Department of Physics

Description
1) Karamehmedović, M., A sparse numerical model for optical characterisation of nanoparticles on rough surfaces
2) Thomas, S., Matyssek, C., Hergert, W., Kiewidt, L., Karamehmedovic, M., and Wriedt, T., Optimization of plasmonic nanostructures excited by light or electron beams: A Generalized Multiparticle Mie Solution study

Related event
Light Scattering: Simulation and inversion
27/05/2013 → 28/05/2013
Bremen, Germany
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Emerging risks from fires and explosions in solid biofuels - some evidence from Denmark: COWI/DTU
Period: 21 May 2013
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science
Documents:
Hedlund_Stuttgart_rev1.pdf

Related event
5th iNTeg-Risk Conference: Risk Screening - Horizon 2020: From iNTeg-Risk to the E2R2 - European Emerging Risk Radar
University of California at Davis  
*Period:* 21 Apr 2013 → 29 Apr 2013  
Martin Carlsen (Visiting researcher)  
Scientific Computing  
Department of Applied Mathematics and Computer Science  

**Description**  
Forskningsophold i udlandet: Vejledelse af professor Patrice Koehl  
Activity: Visiting an external institution › Visiting another research institution

**Uncertainty in Reservoir Characterization**  
*Period:* 18 Apr 2013 → 19 Apr 2013  
Daniele Bigoni (Speaker)  
Department of Applied Mathematics and Computer Science  
Scientific Computing  

**Description**  
Presentation with title: "Spectral Methods for Uncertainty Quantification".

**Related event**  
**Uncertainty in Reservoir Characterization**  
18/04/2013 → 19/04/2013  
Kgs. Lyngby, Denmark  
Activity: Talks and presentations › Conference presentations

**Danvak Dagen 2013**  
*Period:* 10 Apr 2013  
Tobias Gybel Hovgaard (Invited speaker)  
Department of Applied Mathematics and Computer Science  
Scientific Computing  
Department of Electrical Engineering  
Automation and Control  

**Description**  
Presentation given at "Danvak Dagen 2013" Invited talk after receiving "Prof. P.Ole Fangers Forkningslegat 2013".  
Documents:  
PDF  

**Related event**  
**Danvak Dagen 2013**  
10/04/2013 → …  
København, Denmark  
Activity: Talks and presentations › Conference presentations

**PMWS development in pigs from affected farms in Spain and Denmark**  
*Period:* 18 Mar 2013  
Anders Stockmarr (Invited speaker)  
Department of Applied Mathematics and Computer Science  
Statistics and Data Analysis
**Related event**

**BIT's 5th Annual World Congress of Vaccine**  
18/03/2013 → 20/03/2013  
Hangzhou, China  
Activity: Talks and presentations › Conference presentations

**Ude af øje, ude af sind, ude af kontrol: -er det sådan vores afløbssystemer skal fungere?**  
Period: 13 Mar 2013  
Roland Löwe (Lecturer)  
Department of Applied Mathematics and Computer Science  
Dynamical Systems  
Urban Water Engineering

**Related event**

**Ude af øje, ude af sind, ude af kontrol: - er det sådan vores afløbssystemer skal fungere?**  
13/03/2013 → …  
Aalborg, Denmark  
Activity: Talks and presentations › Conference presentations

**Stochastic runoff forecasting and real time control of urban drainage systems**  
Period: 11 Mar 2013  
Roland Löwe (Lecturer)  
Department of Applied Mathematics and Computer Science  
Dynamical Systems  
Urban Water Engineering

**Related event**

**Ude af øje, ude af sind, ude af kontrol: - er det sådan vores afløbssystemer skal fungere?**  
11/03/2013 → …  
Lyngby, Denmark  
Activity: Talks and presentations › Conference presentations

**Armax and Greybox Modeling in Water Systems**  
Period: 1 Mar 2013  
Roland Löwe (Lecturer)  
Dynamical Systems  
Department of Applied Mathematics and Computer Science  
Department of Environmental Engineering

**Description**  
Lecture in Armax and Greybox Modeling as part of course 12342  
Activity: Other

**Time Series Analysis**  
Period: 7 Feb 2013 → 16 May 2013  
Anders Stockmarr (Lecturer)  
Department of Applied Mathematics and Computer Science  
Statistics and Data Analysis
Stochastic runoff forecasting and real time control of urban drainage systems
Period: 31 Jan 2013
Roland Löwe (Lecturer)
Department of Informatics and Mathematical Modeling
Mathematical Statistics
Department of Mathematics
Urban Water Engineering
Department of Environmental Engineering
Links:
http://www.forskningsplatformen-vand.dk/Documents/Annual%20meeting%202013/index.html

Related event
7th Annual Meeting of the Danish Water Research and Innovation Platform
31/01/2013 → 31/01/2013
Kgs. Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

Symposium i Anvendt Statistik 2013
Period: 28 Jan 2013 → 29 Jan 2013
Anders Stockmarr (Speaker)
Statistics and Data Analysis
Department of Applied Mathematics and Computer Science
Description
PMWS development in pigs from affected farms in Spain and Denmark
conference participation
Documents:
PMWS development in pigs from affected farms in Spain and Denmark

Related event
Symposium i Anvendt Statistik 2013
28/01/2013 → 29/01/2013
Århus, Denmark
Activity: Talks and presentations › Conference presentations

NordSecMob Network meeting 2013 (Event)
Period: 24 Jan 2013 → 25 Jan 2013
Flemming Stassen (Reviewer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering
Description
NordSecMob Network meeting
25 selection meeting

Related event
NordSecMob Network meeting 2013
Editorial Board, Journal of Statistical and Econometric Methods (Journal)
Period: 2012 → …
Gilles Guillot (Editor)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Related journal

Editorial Board, Journal of Statistical and Econometric Methods
Local database
Activity: Research › Journal editor

ICES - Baltic Fisheries Assessment Working Group - WGBFAS (External organisation)
Period: 2012 → …
Anders Nielsen (Participant)
National Institute of Aquatic Resources
Section for Population Ecology and Genetics
Department of Informatics and Mathematical Modeling
Degree of recognition: International

Related external organisation

ICES - Inter Benchmark Protocol for Pandalus in Skagerrak and Norwegian Deep - IBPPand (External organisation)
Period: 2012 → …
Anders Nielsen (Participant)
National Institute of Aquatic Resources
Section for Population Ecology and Genetics
Department of Informatics and Mathematical Modeling
Degree of recognition: International

Related external organisation

ICES - Joint NAFO/ICES Pandalus Assessment Working Group - NIPAG (External organisation)
Period: 2012 → …
Anders Nielsen (Participant)
National Institute of Aquatic Resources
Section for Population Ecology and Genetics
Department of Informatics and Mathematical Modeling
Degree of recognition: International

Related external organisation

ICES - Joint NAFO/ICES Pandalus Assessment Working Group - NIPAG
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
ICES - Symposium on “Forage fish interactions: Creating the tools for ecosystem based management of marine resources” (External organisation)
Period: 2012 → …
Anders Nielsen (Participant)
National Institute of Aquatic Resources
Section for Population Ecology and Genetics
Department of Informatics and Mathematical Modeling
Degree of recognition: International

Related external organisation
ICES - Symposium on “Forage fish interactions: Creating the tools for ecosystem based management of marine resources”
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Journal of the Royal Statistical Society, series A (Journal)
Period: 2012 → 2014
Gilles Guillot (Editor)
Department of Applied Mathematics and Computer Science
Cognitive Systems

Related journal
Journal of the Royal Statistical Society, series A
Local database
Activity: Research › Journal editor

Journal of the Royal Statistical Society, Series A (Journal)
Period: 2012 → …
Gilles Guillot (Editor)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Related journal
Journal of the Royal Statistical Society, Series A
1467-985X
Scopus rating (2017): CiteScore 2.3 SJR 1.982 SNIP 1.788, Web of Science (2018): Indexed yes
Local database
Activity: Research › Journal editor

Web-based wind power forecasting competition 2012 - Wind Forecasting
Period: 2012
Pierre Pinson (Organizer)
Department of Applied Mathematics and Computer Science
Department of Electrical Engineering
Center for Electric Power and Energy

Description
Global Energy Forecasting competition
Web-based wind power forecasting competition hosted by Kaggle.com (150 participants worldwide)

Related event
Web-based wind power forecasting competition 2012 - Wind Forecasting: A wind power forecasting problem: predicting hourly power generation up to 48 hours ahead at 7 wind farms
06/09/2012 → 31/10/2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Spatial Statistics Conference 2012
Period: Dec 2012
Gilles Guillot (Participant)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Description
Conference talk

Related event

Spatial Statistics Conference 2012
13/12/2012 → 15/12/2012
Miami, United States
Activity: Attending an event › Participating in or organising a conference

New Directions in Cryptography
Period: 7 Dec 2012
Christian Rechberger (Panel member)
Department of Mathematics
Discrete mathematics

Related event

International View of the State-of-the-Art of Cryptography and Security and Its Use in Practice
06/12/2012 → 07/12/2012
Beijing, China
Activity: Talks and presentations › Conference presentations

New meet-in-the-middle attacks in symmetric cryptanalysis
Period: 30 Nov 2012
Christian Rechberger (Keynote speaker)
Department of Mathematics
Discrete mathematics

Related event

15th Annual International Conference on Information Security and Cryptology
28/11/2012 → 30/11/2012
Seoul, Korea, Republic of
Activity: Talks and presentations › Conference presentations

Assessment Committee for a post.doc. position (External organisation)
Period: 21 Nov 2012 → 21 Dec 2012
Anne Elisabeth Haxthausen (Participant)
Department of Informatics and Mathematical Modeling
Computer Science and Engineering
Software Engineering

Related external organisation

Assessment Committee for a post.doc. position
**PRINCE - A Low-latency Block Cipher for Pervasive Computing Applications**

*Period: 21 Nov 2012*

Christian Rechberger (Invited speaker)

Department of Mathematics

Discrete mathematics

**Related event**

**Workshop on Cryptography for the Internet of Things**

*Period: 20/11/2012 → 21/11/2012*

Antwerp, Belgium

Activity: Talks and presentations › Conference presentations

**Do provisions to advance chemical facility safety also advance chemical facility security?: An analysis of possible synergies**

*Period: 8 Nov 2012 → 9 Nov 2012*

Frank Huess Hedlund (Invited speaker)

Department of Informatics and Mathematical Modeling

Mathematical Statistics

**Description**

More than 200 participants from 54 countries attended the event, which was organised by Poland and the OPCW in cooperation with the G8 Global Partnership and international partners.

Documents:

Synergy, safety, security

Links:

http://www.opcw.org/international-meeting-on-chemical-safety-and-security/ (Website)

**Related event**

**International Meeting on Chemical Safety and Security**

*Period: 08/11/2012 → 09/11/2012*

Tarnów, Poland

Activity: Talks and presentations › Conference presentations

**Statistikseminar**

*Period: 6 Nov 2012*

Anders Stockmarr (Speaker)

Statistics and Data Analysis

Department of Applied Mathematics and Computer Science

**Description**

Regressions modeller – Hvad regresserer vi på og hvorfor? (in danish)

Documents:

Regressions modeller – Hvad regresserer vi på og hvorfor?

**Related event**

**Statistikseminar**

*Period: 06/11/2012 → 06/11/2012*

Copenhagen, Denmark

Activity: Other

**Comparison of Classical and Modern Uncertainty Qualification Methods for the Calculation of Critical Speeds in Railway Vehicle Dynamics**

*Period: 5 Nov 2012*
Daniele Bigoni (Speaker)
Department of Informatics and Mathematical Modeling
Scientific Computing
Degree of recognition: International

Related event
13th Mini Conference on Vehicle System dynamics, Identification and Anomalities
05/11/2012 → 07/11/2012
Budapest, Hungary
Activity: Talks and presentations › Conference presentations

Related-key and Biclique cryptanalysis of AES
Period: 18 Oct 2012
Christian Rechberger (Invited speaker)
Department of Mathematics
Discrete mathematics

Related event
ECRYPT II AES Day 2012
18/10/2012 → …
Brugges, Belgium
Activity: Talks and presentations › Conference presentations

7th Nordic Conference on Human-Computer Interaction (NordiCHI)
Camilla Birgitte Falk Jensen (Participant)
Department of Informatics and Mathematical Modeling
Cognitive Systems

Related event
7th Nordic Conference on Human-Computer Interaction (NordiCHI)
14/10/2012 → 17/10/2012
Copenhagen, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Hvad har vi lært af ulykkerne?
Period: 12 Oct 2012
Frank Huess Hedlund (Lecturer)
Department of Applied Mathematics and Computer Science

Description
IDA, RISK - Selskab for risikovurdering. The Danish Society of Engineers, IDA

Related event
Seminar i RISK: Risikostyring som værktøj: Hvad har vi lært, og hvordan kommer vi videre?
23/10/2012 → …
Copenhagen, Denmark
Activity: Talks and presentations › Conference presentations

Risikoanalyse og worst-case scenarier
Period: 30 Sep 2012
Frank Huess Hedlund (Lecturer)
Department of Applied Mathematics and Computer Science
Yet another cryptanalysis of the AES
Period: 27 Sep 2012
Christian Rechberger (Invited speaker)
Department of Mathematics
Discrete mathematics

The SHA-3 Competition
Period: 21 Sep 2012
Christian Rechberger (Keynote speaker)
Department of Mathematics
Discrete mathematics

On the Development of a Parallel Domain Decomposition Technique for Simulation of Nonlinear Water Waves
Period: 19 Sep 2012 → 21 Sep 2012
Stefan Lemvig Glimberg (Speaker)
Department of Informatics and Mathematical Modeling
Scientific Computing
Description
Presentation given at conference.

Facing the Multicore-Challenge III
19/09/2012 → 21/09/2012
Stuttgart, Germany
Activity: Talks and presentations › Conference presentations

Emotional Brain
Period: 17 Sep 2012 → 21 Sep 2012
Camilla Birgitte Falk Jensen (Participant)
Department of Informatics and Mathematical Modeling
Cognitive Systems
Related event

**Emotional Brain**
17/09/2012 → 21/09/2012
København, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Time Series Analysis**
Period: 7 Sep 2012 → 7 Dec 2012
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related event

**Time Series Analysis**
07/09/2012 → 07/12/2012
Denmark
Activity: Other

**Katastrofer, worst case - hvorfor sker de? Er det en blind plæ fra evolutionens side? Hvad kan vi gøre?**
Period: 29 Aug 2012
Frank Huess Hedlund (Lecturer)
Department of Applied Mathematics and Computer Science
Links:
http://www.mssm.dk/side/program-og-pr%C3%A6sentationer-2012

Related event

**Maritim Sikkerhed, Sundhed og Miljø (2012)**
29/08/2012 → 31/08/2012
Nyborg, Denmark
Activity: Talks and presentations › Conference presentations

**IEEE Engineering in Medicine and Biology Society**
Camilla Birgitte Falk Jensen (Speaker)
Department of Informatics and Mathematical Modeling
Cognitive Systems

Related event

**IEEE Engineering in Medicine and Biology Society**
27/08/2012 → 30/11/2012
San Diego, United States
Activity: Talks and presentations › Conference presentations

**BIT Circus 2012**
Daniele Bigoni (Participant)
Scientific Computing
Department of Informatics and Mathematical Modeling

**Description**
Participation to the BIT Circus 2012 held in DTU. Talk on "Uncertainty quantification of critical speed for railway vehicle dynamics" by D. Bigoni, A.P. Engsig-Karup, H.True, J.S. Hesthaven.

Documents:
Uncertainty quantification of critical speed for railway vehicle dynamics

Related event

**BIT Circus 2012: Numerical Mathematics and Computational Science**
Period: 23/08/2012 → 24/08/2012
Lyngby, Denmark
Activity: Attending an event › Participating in or organising a conference

**On the Dynamics of the Fermi-Bose model**
Magnus Ögren (Lecturer)

Dynamical systems

**Description**
In this talk we formulate and prove results for the exponential matrix representing the dynamics of the Fermi-Bose model in an undepleted bosonic field approximation. A recent application of this model is molecular dimmers dissociating into its atomic compounds. The problem is solved in D spatial dimensions by dividing the system matrix into blocks with generalizations of Hankel matrices, here referred to as D-block Hankel-matrices. The method is practically useful for treating large systems, i.e. dense computational grids or higher spatial dimensions, either on a single standard computer or a cluster. In particular the results can be used for studies of threedimensional physical systems of arbitrary geometry. We illustrate the generality of our approach by giving numerical results for the dynamics of Glauber type atomic pair correlation functions for a non-isotropic three-dimensional harmonically trapped molecular Bose-Einstein condensate.

Documents:

Related event

**BIT Circus 2012: Numerical Mathematics and Computational Science**
Period: 23/08/2012 → 24/08/2012
Lyngby, Denmark
Activity: Talks and presentations › Conference presentations

**Cryptanalytic ideas for SHA and AES**
Period: 11 Aug 2012
Christian Rechberger (Keynote speaker)

Department of Mathematics

Discrete mathematics

Related event

**Chinacrypt 2012**
Period: 09/08/2012 → 12/08/2012
Hefei, China
Activity: Talks and presentations › Conference presentations

**Associate Editor, Journal of the Royal Statistical Society, Series A (External organisation)**
Period: Jun 2012 → …
Gilles Guillot (Participant)

Department of Informatics and Mathematical Modeling

Mathematical Statistics

Degree of recognition: International

Related external organisation

**Associate Editor, Journal of the Royal Statistical Society, Series A**
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
24th Nordic Conference in Mathematical Statistics  
Period: 10 Jun 2012 → 14 Jun 2012  
Anders Stockmarr (Participant)  
Department of Applied Mathematics and Computer Science  
Statistics and Data Analysis  
Description  
poster presenter  
conference participation  
Documents:  
Detection of Dairy Herds at Risk for Changing Salmonella Dublin status

Related event

24th Nordic Conference in Mathematical Statistics  
10/06/2012 → 14/06/2012  
Umeå, Sweden  
Activity: Attending an event › Participating in or organising a conference

6th ACM/IEEE International Symposium on Networks-on-Chip  
Period: 9 May 2012 → 11 May 2012  
Flemming Stassen (Organizer)  
Department of Applied Mathematics and Computer Science  
Embedded Systems Engineering  
Related event

6th ACM/IEEE International Symposium on Networks-on-Chip  
09/05/2012 → 11/05/2012  
Lyngby, Denmark  
Activity: Attending an event › Participating in or organising a conference

Danish Railway Conference 2012  
Period: 9 May 2012  
Anne Elisabeth Haxthausen (Participant)  
Department of Informatics and Mathematical Modeling  
Computer Science and Engineering  
Software Engineering  
Description  
Poster presentation at a DTU stand for the RobustRailS research project.

Related event

Danish Railway Conference 2012  
09/05/2012 → …  
Copenhagen, Denmark  
Activity: Attending an event › Participating in or organising a conference

18th IEEE International Symposium on Asynchronous Circuits and Systems  
Period: 7 May 2012 → 9 May 2012  
Flemming Stassen (Organizer)  
Department of Informatics and Mathematical Modeling  
Computer Science and Engineering  
Embedded Systems Engineering
Description
Finance chair

ASYNC 2012 - 18th IEEE International Symposium on Asynchronous Circuits and Systems

Related event

18th IEEE International Symposium on Asynchronous Circuits and Systems
07/05/2012 - 09/05/2012
Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising a conference

How do university students solve problems in vector calculus? Evidence from eye tracking.
Period: 2 May 2012 → 4 May 2012
Magnus Ögren (Lecturer)
Dynamical systems
Documents:

Related event

The Scandinavian Workshop on Applied Eye Tracking
02/05/2012 - 04/05/2012
Stockholm, Sweden
Activity: Talks and presentations › Conference presentations

Uncertainty Quantification for High-Performance Computing Workshop
Period: 2 May 2012 → 4 May 2012
Daniele Bigoni (Participant)
Scientific Computing
Department of Informatics and Mathematical Modeling

Description
Participation to the workshop and poster presentation with title: "Uncertainty Quantification on High Speed Railway Dynamics" by D. Bigoni, A.P. Engsig-Karup, H. True.
Documents:
Uncertainty Quantification on High Speed Railway Dynamics

Related event

Uncertainty Quantification for High-Performance Computing Workshop
02/05/2012 - 04/05/2012
Oak Ridge, TN, United States
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Når planlægningen fejler
Period: 19 Apr 2012
Frank Huess Hedlund (Lecturer)
Department of Applied Mathematics and Computer Science
Documents:
Program

Related event

Kompetenceudviklingsdage på Kastellet (4-2012): TEMA - netværk og uhåndgribelige risici
18/04/2012 → 19/04/2012
København, Denmark
Activity: Talks and presentations › Conference presentations
Conference on European Rail Traffic Management System
Period: 17 Apr 2012
Anne Elisabeth Haxthausen (Participant)
Department of Informatics and Mathematical Modeling
Computer Science and Engineering
Software Engineering

Description
Invited by Banedanmark
An ERTMS conference in Copenhagen

Related event

Conference on European Rail Traffic Management System
16/04/2012 → 17/04/2012
Copenhagen, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Narrow-Bicliques: Cryptanalysis of Full IDEA
Period: 17 Apr 2012
Christian Rechberger (Speaker)
Department of Mathematics
Discrete mathematics

Related event

EUROCRYPT 2012
15/04/2012 → 19/04/2012
Cambridge, United Kingdom
Activity: Talks and presentations › Conference presentations

Raingain Workshop
Period: 16 Apr 2012
Roland Löwe (Participant)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Description
Participation in discussion on integration of radar rainfall and raingauge measurements
Workshop on finescale radar rainfall measurements in urban areas
Links:

Related event

Raingain Workshop
16/04/2012 → …
Leuven, Belgium
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Inverse Problems and Numerical Methods in Applications
Period: 8 Mar 2012 → 9 Mar 2012
Mirza Karamehmedovic (Organizer)
Department of Applied Mathematics and Computer Science
Scientific Computing
Department of Physics
Documents:
Book_of_Abstracts

Related event
Inverse Problems and Numerical Methods in Applications
08/03/2012 → 09/03/2012
Bremen, Germany
Activity: Attending an event › Participating in or organising a conference

Time Series Analysis
Period: 2 Feb 2012 → 3 May 2012
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related event
Time Series Analysis
02/02/2012 → 03/05/2012
Kgs. Lyngby, Denmark
Activity: Other

NordSecMob Network meeting 2012 (Event)
Period: 1 Feb 2012 → 2 Feb 2012
Flemming Stassen (Reviewer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Description
NordSecMob Network meeting
23 selection meeting

Related event
NordSecMob Network meeting 2012
01/02/2012 → 02/02/2012
Finland
Activity: Research › Peer review of manuscripts

34th Symposium i Anvendt Statistik 2012
Anders Stockmarr (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Description
conference participation
Documents:
Detection of Dairy Herds at risk for changing Salmonella Dublin status

Related event
34th Symposium i Anvendt Statistik 2012
01/01/2012 → 25/01/2012
Copenhagen, Denmark
Activity: Talks and presentations › Conference presentations

**Statistikseminar**
Period: 16 Jan 2012
Anders Stockmarr (Speaker)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

**Description**
Optimal combinations of acute phase proteins for detecting infectious disease in pigs

**Related event**
**Statistikseminar**
16/01/2012 → 16/01/2012
Copenhagen, Denmark
Activity: Other

**Population Ecology (External organisation)**
Period: 1 Jan 2012 → 31 Dec 2012
Gilles Guillot (Participant)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

**Description**
Member of the Editorial Board

**Related external organisation**
**Population Ecology**
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**The Geneland program**
Period: 1 Jan 2012 → 31 Dec 2012
Gilles Guillot (Participant)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

**Description**
Maintenance of R package
Activity: Other

**The Open Statistics and Probability Journal (External organisation)**
Period: 1 Jan 2012 → 31 Dec 2100
Gilles Guillot (Participant)
Department of Informatics and Mathematical Modeling
Mathematical Statistics
Description
Member of the editorial board
Degree of recognition: International

Related external organisation

The Open Statistics and Probability Journal
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

IEE Transactions on Power Systems (Journal)
Period: 2011 → …
Pierre Pinson (Editor)
Department of Electrical Engineering
Center for Electric Power and Energy
Department of Applied Mathematics and Computer Science

Related journal

IEE Transactions on Power Systems
0885-8950
Web of Science (2018): Indexed yes
Central database
Activity: Research › Journal editor

Population Ecology (Journal)
Period: 2011 → 2012
Gilles Guillot (Reviewer)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Description
Population Ecology

Related journal

Population Ecology
1438-3896
Scopus rating (2017): CiteScore 1.5 SJR 0.955 SNIP 0.737, Web of Science (2018): Indexed yes
Local database
Activity: Research › Journal editor

Expert Workshop on Risk Modelling using R
Period: 21 Nov 2011 → 22 Nov 2011
Anders Stockmarr (Participant)
Statistics and Data Analysis
Department of Applied Mathematics and Computer Science

Description
Bundesinstitut für Risikobewertung (BfR)
workshop

Related event

Expert Workshop on Risk Modelling using R
Berlin, Germany
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Workshop Integrale Abflusssteuerung DWA-AG ES-2.4
Period: 14 Nov 2011
Roland Löwe (Speaker)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Related event

Workshop Integrale Abflusssteuerung DWA-AG ES-2.4
14/11/2011 → 14/11/2011
Köln, Germany
Activity: Talks and presentations › Conference presentations

Regularization in Isogeometric Shape Optimization for Fluids: Poster presented at SIAM Conference on Geometric and Physical Modeling
Peter Nørtoft (Speaker)
Department of Mathematics

Description
The goal in shape optimization for fluids is to find an optimal boundary of the flow domain that minimizes a prescribed objective, while satisfying suitable constraints. Inclusion of an artificial objective term is often needed to avoid inappropriate boundary parametrizations and thereby regularize the optimization problem. This work uses isogeometric analysis as framework for the numerical method and discusses various regularizations by comparing their effects in different examples.
Place: Orlando, Florida, USA

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

SIAM Conference on Geometric and Physical Modeling
Jens Gravesen (Participant)
Department of Mathematics

Description
Regularization in Isogeometric Shape Optimization for Fluids: Poster presented at SIAM Conference on Geometric and Physical Modeling

The goal in shape optimization for fluids is to find an optimal boundary of the flow domain that minimizes a prescribed objective, while satisfying suitable constraints. Inclusion of an artificial objective term is often needed to avoid inappropriate boundary parametrizations and thereby regularize the optimization problem. This work uses isogeometric analysis as framework for the numerical method and discusses various regularizations by comparing their effects in different examples.
Place: Orlando, Florida, USA

Related event

SIAM Conference on Geometric and Physical Modeling
24/10/2011 → 27/10/2011
Orlando, United States
Activity: Attending an event › Participating in or organising a conference

An Introduction to Formal Methods for Software Development
Period: 7 Oct 2011
Anne Elisabeth Haxthausen (Consultant)
Department of Informatics and Mathematical Modeling

Description
Note: This lecture was given as a part of the Public Sector Consultancy service offered by the Technical University of Denmark.

Related external organisation
Banedanmark, Copenhagen
Activity: Public and private sector consultancy › Public sector consultancy

A Model-based Tool Set for Simulation and Verification of Relay Interlocking Systems
Period: 27 Sep 2011
Anne Elisabeth Haxthausen (Speaker)
Department of Informatics and Mathematical Modeling

Related external organisation
The Danish Society of Engineers, IDA
Kalvebod Brygge 31-33, DK-1780, Copenhagen V, Denmark
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Isogeometric Analysis of Sound Propagation through Flow in 2-Dimensional Ducts: Talk given at the fall school "Shapes, Geometry and Algebra (SAGA)"
Period: 27 Sep 2011 → 30 Sep 2011
Peter Nørtoft (Speaker)
Department of Mathematics

Description
The aim of this work is to use isogeometric analysis, a unification of finite element methods (FEM) and computer aided design (CAD), to solve the coupled flow-acoustic problem that governs the propagation of sound through flow in ducts. The background flow in the duct is governed by the steady-state, incompressible Navier-Stokes equation, while the sound propagation is governed by the advected Helmholtz equation. The crux of isogeometric analysis is to approximate the flow fields and the acoustic pressure by B-splines. The accurate geometry representation and high degree of continuity of the state variables are some of the method's advantages. We firstly review the concepts of how to apply isogeometric analysis to the coupled flow-acoustic problem, and we then report on the effects of the flow field and of the duct geometry on the acoustic response.

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

SAGA Fall School 2011
Period: 27 Sep 2011 → 30 Sep 2011
Jens Gravesen (Participant)
Department of Mathematics

Description
Isogeometric Analysis of Sound Propagation through Flow in 2-Dimensional Ducts: Talk given at the fall school "Shapes, Geometry and Algebra (SAGA)"

The aim of this work is to use isogeometric analysis, a unification of finite element methods (FEM) and computer aided design (CAD), to solve the coupled flow-acoustic problem that governs the propagation of sound through flow in ducts. The background flow in the duct is governed by the steady-state, incompressible Navier-Stokes equation, while the sound propagation is governed by the advected Helmholtz equation. The crux of isogeometric analysis is to approximate the flow fields and the acoustic pressure by B-splines. The accurate geometry representation and high degree of continuity of the state variables are some of the method's advantages. We firstly review the concepts of how to apply isogeometric analysis to the coupled flow-acoustic problem, and we then report on the effects of the flow field and of the duct geometry on the acoustic response.
Related event

SAGA Fall School 2011: Shapes, Geometry and Algebra
Vilnius, Lithuania
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Time Series Analysis (TSA); 02417
Period: 2 Sep 2011 → 2 Dec 2011
Anders Stockmarr (Lecturer)
Department of Applied Mathematics and Computer Science
Statistics and Data Analysis

Related event

Time Series Analysis
02/09/2011 → 02/12/2011
Kgs. Lyngby, Denmark
Activity: Other

Risikoanalyse og worst-case scenarier
Period: 27 Aug 2011
Frank Huess Hedlund (Speaker)
Department of Applied Mathematics and Computer Science

Description
Oplæg på DTU masteruddannelse i miljø-og arbejdsmiljøledelse

Related external organisation

Technical University of Denmark
Kgs. Lyngby, Denmark
Activity: Other

GPU Computing Today and Tomorrow: A high performance GPU-based framework for PDE prototyping
Period: 18 Aug 2011
Stefan Lemvig Glimberg (Speaker)
Department of Informatics and Mathematical Modeling
Scientific Computing

Description
Place: DTU Informatics

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

The 2011 Fluid•DTU Summer School
Øistein Wind-Willassen (Participant)
Department of Mathematics
Department of Applied Mathematics and Computer Science

Description
Complex motion in fluids
Place: Krogerup Højskole
Related event

The 2011 Fluid•DTU Summer School: The 2011 Fluid•DTU Summer School Complex Motion in Fluids
07/08/2011 → 13/08/2011
Krogerup, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Multi-spectral Imaging as a Method for Automatic Quality Control of Fish Fillet and Fish Feed
Period: 24 Jun 2011
Martin Georg Ljungqvist (Speaker)
Department of Informatics and Mathematical Modeling
DTU Data Analysis
FoodDTU

Description
Place: Igarashi Lab, Tokyo University, Tokyo, Japan

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

Towards a Semantics for VDM Core
Period: 20 Jun 2011
Anne Elisabeth Haxthausen (Speaker)
Department of Informatics and Mathematical Modeling

Description
Presentation given at the 9th Overture Workshop, as part of FM 2011.

Related event

Towards a Semantics for VDM Core
20/06/2011 → 20/06/2011
University of Limerick, Ireland
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Life as a Ph.D. student at DTU Mathematics: Talk given at inspiration event for undergraduate students at DTU Mathematics
Period: 15 Jun 2011
Peter Nørtoft (Speaker)
Department of Mathematics

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

Multi-spectral Image Analysis for Astaxanthin Coating Classification
Period: 27 May 2011
Martin Georg Ljungqvist (Speaker)
Department of Informatics and Mathematical Modeling
DTU Data Analysis
FoodDTU

Description
Place: Scandinavian Workshop on Imaging Food Quality (SWIFQ), Ystad, Sweden
Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

**Hvordan kan vi undgå worst-case?**
**Period:** 10 May 2011
Frank Huess Hedlund (Lecturer)
Department of Applied Mathematics and Computer Science

**Related event **
**Hvordan kan vi undgå worst-case?**
10/05/2011 → …
Copenhagen, Denmark
Activity: Talks and presentations › Conference presentations

**MicroSoft Research Software Summit**
**Period:** 13 Apr 2011 → 15 Apr 2011
Anne Elisabeth Haxthausen (Participant)
Department of Informatics and Mathematical Modeling
Software Engineering

**Related event **
**MicroSoft Research Software Summit**
13/04/2011 → 15/04/2011
Activity: Attending an event › Participating in or organising a conference

**Nano Structures on Surfaces and Light Scattering**
**Period:** 24 Mar 2011 → 25 Mar 2011
Mirza Karamehmedovic (Participant)
Department of Applied Mathematics and Computer Science
Scientific Computing
Department of Physics

**Description**
M. Karamehmedović and T. Wriedt. Sizing of highly conductive nanowires on substrates

**Related event **
**Nano Structures on Surfaces and Light Scattering**
24/03/2011 → 25/03/2011
Bremen, Germany
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Isogeometric Shape Optimization for Fluids: Talk given at the workshop "New Trends in Applied Geometry"**
**Period:** 20 Feb 2011 → 25 Feb 2011
Peter Nørtoft (Speaker)
Department of Mathematics

**Description**
The aim of this work is to use isogeometric analysis, a unification of finite element methods (FEM) and computer aided design (CAD), to solve shape optimization problems within fluid mechanics. The flow problems considered are governed by the 2-dimensional steady-state, incompressible Navier-Stokes equations. The crux of isogeometric analysis is to approximate the fluid velocity and pressure fields by B-splines. The accurate geometry representation and high degree of continuity of the flow fields are some of the method’s advantages. In shape optimization for fluids we search for an optimal design of the flow domain that minimizes a prescribed objective, while satisfying suitable constraints. The design variables in the isogeometric approach are the coordinates of control points that define the boundary of the domain. With the ability to
represent complex shapes in few design variables, and the unification of the analysis and geometry models, isogeometric analysis is highly suited for shape optimization purposes. The methodology is firstly presented through a simple example in which a pipe bend is designed to minimize the drag with a constraint on the area of the pipe. The basics of how to apply isogeometric analysis to the Navier-Stokes equations are briefly covered, some regularization methods to ensure good boundary parametrizations during optimization are discussed, and different design results for a range of Reynolds numbers are presented. Lastly, we present results for a simple airfoil optimization, in which an airfoil is designed to minimize the drag with a constraint on the lift and the size of the wing.

Place: Hurdalsjoen, Norway

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

New Trends in Applied Geometry
Period: 20 Feb 2011 → 25 Feb 2011
Jens Gravesen (Participant)
Department of Mathematics

Description
Isogeometric Shape Optimization for Fluids: Talk given at the workshop "New Trends in Applied Geometry"

The aim of this work is to use isogeometric analysis, a unification of finite element methods (FEM) and computer aided design (CAD), to solve shape optimization problems within fluid mechanics. The flow problems considered are governed by the 2-dimensional steady-state, incompressible Navier-Stokes equations. The crux of isogeometric analysis is to approximate the fluid velocity and pressure fields by B-splines. The accurate geometry representation and high degree of continuity of the flow fields are some of the method's advantages. In shape optimization for fluids we search for an optimal design of the flow domain that minimizes a prescribed objective, while satisfying suitable constraints. The design variables in the isogeometric approach are the coordinates of control points that define the boundary of the domain. With the ability to represent complex shapes in few design variables, and the unification of the analysis and geometry models, isogeometric analysis is highly suited for shape optimization purposes. The methodology is firstly presented through a simple example in which a pipe bend is designed to minimize the drag with a constraint on the area of the pipe. The basics of how to apply isogeometric analysis to the Navier-Stokes equations are briefly covered, some regularization methods to ensure good boundary parametrizations during optimization are discussed, and different design results for a range of Reynolds numbers are presented. Lastly, we present results for a simple airfoil optimization, in which an airfoil is designed to minimize the drag with a constraint on the lift and the size of the wing.

Place: Hurdalsjoen, Norway

Related event

New Trends in Applied Geometry
20/02/2011 → 25/02/2011
Hurdalsjoen, Norway
Activity: Attending an event › Participating in or organising a conference

Time Series Analysis (TSA); 02417
Period: 3 Feb 2011 → 5 May 2011
Anders Stockmarr (Lecturer)
Section for Veterinary Epidemiology and public sector consultancy
Department of Applied Mathematics and Computer Science

Related event

Time Series Analysis
03/02/2011 → 05/05/2011
Kgs. Lyngby, Denmark
Activity: Other

NordSecMob Network meeting 2011 (Event)
Period: 26 Jan 2011 → 28 Jan 2011
Flemming Stassen (Reviewer)
Effective Development and Verification of Railway Control Software
Period: 21 Jan 2011
Anne Elisabeth Haxthausen (Speaker)
Department of Informatics and Mathematical Modeling
Software Engineering
Description
This course module presents a method for effective development of software for a product line of similar railway control systems. The software is constructed in three steps: first a specifications in a domain-specific language is created, then a formal behavioural controller model is automatically created from the specification, and finally the model is compiled into executable object code. Formal verification is performed automatically by tools at three levels: (1) the specification is checked to follow the rules of the domain, (2) the controller model is checked to ensure safety, and (3) the object code is verified to be a correct implementation of the controller model.
Note: This seminar was given as a part of the Public Sector Consultancy service offered by the Technical University of Denmark.
Place: Banedanmark, Copenhagen
Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations
Isogeometric Shape Optimization for Fluids: Talk given at the workshop "Isogeometric Analysis 2011: Integrating Design and Analysis"
Period: 14 Jan 2011
Peter Nørtoft (Speaker)
Department of Mathematics
Description
The aim of this work is to use the unification of finite element methods (FEM) and computer aided design (CAD) embedded in isogeometric analysis to solve shape optimization problems within fluid mechanics. The flow problems considered are governed by the 2-dimensional steady-state, incompressible Navier-Stokes equations. These partial differential equations are solved for fluid velocity and pressure using B-spline based isogeometric analysis. The accurate geometry representation and high degree of continuity of the flow fields are some of the method's advantages. To ensure stable discretizations, though, care has to taken in the choice of polynomial degrees and knots vectors for the velocity and pressure approximations. In shape optimization for fluids we search for an optimal design of the flow domain that minimizes a prescribed objective, while satisfying suitable constraints. With the ability to represent complex shapes in few design variables, and the unification of the analysis and geometry models, isogeometric analysis is highly suited for shape optimization purposes. The design variables are the coordinates of control points that define the boundary of the domain. As the optimizer moves the control points around, though, control points are sometimes seen to coalesce and the control net might even fold over severely, causing an improper design and the analysis to break down. Regularization methods to ensure a good boundary representation are therefore often needed. The methodology is presented through a simple example in which a pipe bend is designed to minimize the drag with a constraint on the area of the pipe. The basics of the analysis of the Navier-Stokes equations are briefly covered, some regularization methods to ensure good boundary parametrisations during optimization are discussed, and different design results for a range of Reynolds numbers are presented.
Place: Austin, Texas, USA
**New Trends in Applied Geometry**

**Period:** 14 Jan 2011

Jens Gravesen (Participant)

Department of Mathematics

**Description**

Isogeometric Shape Optimization for Fluids: Talk given at the workshop "Isogeometric Analysis 2011: Integrating Design and Analysis"

The aim of this work is to use the unification of finite element methods (FEM) and computer aided design (CAD) embedded in isogeometric analysis to solve shape optimization problems within fluid mechanics. The flow problems considered are governed by the 2-dimensional steady-state, incompressible Navier-Stokes equations. These partial differential equations are solved for fluid velocity and pressure using B-spline based isogeometric analysis. The accurate geometry representation and high degree of continuity of the flow fields are some of the method's advantages. To ensure stable discretizations, though, care has to taken in the choice of polynomial degrees and knots vectors for the velocity and pressure approximations. In shape optimization for fluids we search for an optimal design of the flow domain that minimizes a prescribed objective, while satisfying suitable constraints. With the ability to represent complex shapes in few design variables, and the unification of the analysis and geometry models, isogeometric analysis is highly suited for shape optimization purposes. The design variables are the coordinates of control points that define the boundary of the domain. As the optimizer moves the control points around, though, control points are sometimes seen to coalesce and the control net might even fold over severely, causing an improper design and the analysis to break down. Regularization methods to ensure a good boundary representation are therefore often needed. The methodology is presented through a simple example in which a pipe bend is designed to minimize the drag with a constraint on the area of the pipe. The basics of the analysis of the Navier-Stokes equations are briefly covered, some regularization methods to ensure good boundary parameterisations during optimization are discussed, and different design results for a range of Reynolds numbers are presented.

Place: Austin, Texas, USA

**Related event**

**New Trends in Applied Geometry**

20/02/2011 → 25/02/2011

Hurdalsjoen, Norway

Activity: Attending an event › Participating in or organising a conference

**Fast Software Encryption 2011 (Journal)**

Period: 1 Jan 2011 → …

Søren Steffen Thomsen (Reviewer)

Department of Mathematics

**Related journal**

**Fast Software Encryption 2011**

Local database

Activity: Research › Peer review of manuscripts

**Associate Editor, Population Ecology (External organisation)**

Period: 2010 → …

Gilles Guillot (Participant)

Department of Informatics and Mathematical Modeling

Mathematical Statistics

Degree of recognition: International

**Related external organisation**

Associate Editor, Population Ecology
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Population Ecology (Journal)
Period: 2010 → …
Gilles Guillot (Editor)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Related journal
Population Ecology
1438-3896
Scopus rating (2017): CiteScore 1.5 SJR 0.955 SNIP 0.737, Web of Science (2018): Indexed yes
Local database
Activity: Research › Journal editor

The Open Statistics & Probability Journal (Journal)
Period: 2010 → …
Gilles Guillot (Editor)
Department of Informatics and Mathematical Modeling
Mathematical Statistics
Description
Editorial Board, The Open Statistics and Probability Journal

Related journal
The Open Statistics & Probability Journal
1876-5270
ISI indexed (2013): ISI indexed no
Central database
Activity: Research › Journal editor

Wind Energy (Journal)
Period: 2010 → …
Pierre Pinson (Editor)
Department of Electrical Engineering
Center for Electric Power and Energy
Department of Applied Mathematics and Computer Science

Related journal
Wind Energy
1095-4244
Central database
Activity: Research › Journal editor

Challenges in risk assessment - Insidious erosion of safety margins over time
Period: 23 Nov 2010
Frank Huess Hedlund (Invited speaker)
Department of Applied Mathematics and Computer Science
Documents:
Presentation_NSOAF_safety_conference_2010.pdf

Related event
2nd International Safety Conference in the North Sea Offshore Authorities Forum (NSOAF)
Aberdeen, United Kingdom
Activity: Talks and presentations › Conference presentations

Member of the review board for a VIP position at Engineering College of Århus (External organisation)
Period: 22 Nov 2010 → 1 Dec 2010
Anne Elisabeth Haxthausen (Member)
Department of Informatics and Mathematical Modeling
Software Engineering

Related external organisation

Member of the review board for a VIP position at Engineering College of Århus
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Formal Methods: A Tutorial on Model-oriented Specification
Period: 14 Oct 2010
Anne Elisabeth Haxthausen (Consultant)
Department of Informatics and Mathematical Modeling
Software Engineering

Description
Note: This lecture was given as a part of the Public Sector Consultancy service offered by the Technical University of Denmark.

Related external organisation

Unknown external organisation
Activity: Public and private sector consultancy › Public sector consultancy

Korean Advanced Institute of Science and Technology (KAIST)
Flemming Stassen (Visiting researcher)
Department of Informatics and Mathematical Modeling
Embedded Systems Engineering

Description
Official visit DTU KAIST (Republic of Korea)
Activity: Visiting an external institution › Visiting another research institution

Workshop on AUTO, CoCo and Matlab
Period: 11 Oct 2010 → 12 Oct 2010
Frank Schilder (Speaker)
Department of Mathematics
Dynamical systems

Description
Note: One-day lecture on continuation using the continuation package COCO.
Links:
http://sourceforge.net/projects/cocotools (REL-OA)

Related external organisation

University of Bristol
United Kingdom
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities
Analysis of Astaxanthin in Fish Feed Pellets
Period: 4 Oct 2010
Martin Georg Ljungqvist (Speaker)
Department of Informatics and Mathematical Modeling
DTU Data Analysis

Description
Place: WEFTA, Cesme, Turkey

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

Time Series Analysis (TSA): 02417
Period: 3 Sep 2010 → 3 Dec 2010
Anders Stockmarr (Lecturer)
Section for Epidemiology
Department of Applied Mathematics and Computer Science

Description
Place: DTU Informatics

Related event

An Introduction to Formal Methods for the Development of Safety-critical Applications
Period: 1 Sep 2010
Anne Elisabeth Haxthausen (Consultant)
Department of Informatics and Mathematical Modeling
Software Engineering

Description
Note: This lecture was given as a part of the Public Sector Consultancy service offered by the Technical University of Denmark.

Related external organisation
Trafikstyrelsen (Danish Transport Authority)
Activity: Public and private sector consultancy › Public sector consultancy

73rd Annual Meeting of the Institute of Mathematical Statistics
Gilles Guillot (Chairman)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Related event

73rd Annual Meeting of the Institute of Mathematical Statistics: Session on model selection
09/08/2010 → 13/08/2010
Gothenburg, Sweden
An Introduction to Formal Methods for Software Development
Period: 25 Jun 2010
Anne Elisabeth Haxthausen (Consultant)
Department of Informatics and Mathematical Modeling
Software Engineering

Description
Note: This lecture was given as a part of the Public Sector Consultancy service offered by the Technical University of Denmark.

Related external organisation
Banedanmark (Rail Net Denmark)

KAIST-DTU Dual Degree Master Program in Computer Science
Period: 19 Jun 2010 → 31 Jul 2017
Flemming Stassen (Other)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Description
Coordinated by Flemming Stassen
Links:
http://www.dtu.dk/english/Education/msc/Programmes/computer_science_and_engineering

Related external organisation
Korean Advanced Institute of Science and Technology (KAIST)
Daejeon, Korea, Democratic People’s Republic of

Activity: 5-års seminar om Lavenergihuset i Sisimiut
Period: 2 Jun 2010
Henrik Madsen (Speaker)
Department of Informatics and Mathematical Modeling
Mathematical Statistics
Arctic Technology Centre
Links:

Related event
5-års seminar om Lavenergihuset i Sisimiut
02/06/2010 → 02/06/2010
DTU Medecenter
Activity: Other

5-års seminar om Lavenergihuset i Sisimiut
Period: 2 Jun 2010
Philip Hvidthøft Delff Andersen (Speaker)
Department of Informatics and Mathematical Modeling
Mathematical Statistics
Related event

5-års seminar om Lavenergihuset i Sisimiut
02/06/2010 → 02/06/2010
DTU Mødecenter
Activity: Other

Talentudvikling og karriererådgivning
Period: 17 May 2010 → 7 Dec 2010
Anne Elisabeth Haxthausen (Participant)
Department of Informatics and Mathematical Modeling
Software Engineering

Description
Talentudvikling og karriererådgivning

Place: Technical University of Denmark, Lyngby
Degree of recognition: Local

Related event

Talentudvikling og karriererådgivning
17/05/2010 → 07/12/2010
Kgs. Lyngby, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

NordSecMob Network meeting
Period: 6 May 2010
Flemming Stassen (Participant)
Department of Informatics and Mathematical Modeling
Embedded Systems Engineering

Description
NordSecMob Network meeting: 19 Supplementary Selection meeting

Related event

NordSecMob Network meeting: 19 Supplementary Selection meeting
06/05/2010 → 06/05/2010
Finland
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Period: 1 Apr 2010 → 31 Aug 2017
Flemming Stassen (Other)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Description
Coordinated by Flemming Stassen
Links:
**Nano Particles, Nano Structures and Near Field Computation**

Period: 11 Mar 2010 → 12 Mar 2010  
Mirza Karamehmedovic (Participant)

Department of Applied Mathematics and Computer Science  
Scientific Computing  
Department of Physics

**Description**

1) M. Karamehmedovic, R. Schuh and V. Schmidt. Comparison of numerical methods for near-field computation  
2) M. Karamehmedovic. Solution of defect-detection inverse problems of Optical Diffraction Microscopy using the Method of Fundamental Solutions

**Related event**

Nano Particles, Nano Structures and Near Field Computation  
11/03/2010 → 12/03/2010  
Bremen, Germany  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**JAIST Advanced School on Formal Specification and Systems Verification 2010 (JAIST-FSSV2010)**

Period: 1 Mar 2010 → 5 Mar 2010  
Anne Elisabeth Haxthausen (Participant)

Department of Informatics and Mathematical Modeling  
Software Engineering

**Related event**

JAIST Advanced School on Formal Specification and Systems Verification 2010 (JAIST-FSSV2010)  
01/03/2010 → 05/03/2010  
Kanazawa, Japan  
Activity: Attending an event › Participating in or organising a conference

**NordSecMob Network meeting**

Period: 18 Jan 2010 → 19 Jan 2010  
Flemming Stassen (Participant)

Department of Informatics and Mathematical Modeling  
Embedded Systems Engineering

**Description**

NordSecMob Network meeting: 17 Selection meeting

**Related event**

NordSecMob Network meeting: 17 Selection meeting  
18/01/2010 → 19/01/2010  
Finland  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Population Ecology (Journal)**

Period: 1 Jan 2010 → …  
Gilles Guillot (Editor)

Department of Informatics and Mathematical Modeling  
Mathematical Statistics
Description
Associate Editor

Related journal

Population Ecology
1438-3896
Scopus rating (2017): CiteScore 1.5 SJR 0.955 SNIP 0.737, Web of Science (2018): Indexed yes
Local database
Activity: Research » Journal editor

Period: 1 Jan 2010 → 31 Dec 2010
Gilles Guillot (Reviewer)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Related journal

Local database
Activity: Research » Peer review of manuscripts

The Open Statistics & Probability Journal (Journal)
Period: 1 Jan 2010 → …
Gilles Guillot (Editor)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Description
Associate Editor

Related journal

The Open Statistics & Probability Journal
1876-5270
ISI indexed (2013): ISI indexed no
Central database
Activity: Research » Journal editor

Open Statistics and Probability Journal (External organisation)
Period: 2009 → …
Gilles Guillot (Participant)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Description
Member of the Editorial Board

Related external organisation

Open Statistics and Probability Journal
Activity: Membership » Membership of committees, commissions, boards, councils, associations, organisations, or similar
Introduction to non-linear models in food science
Period: 6 Dec 2009
Gilles Guillot (Participant)
Mathematical Statistics

Description
Course lecturer

Related event
Introduction to non-linear models in food science
06/12/2009 → 06/12/2009
Activity: Other

Member of the review board of a Ph.D. thesis entitled "Domain-specific Modelling of Railway Control Systems with Integrated Verification and Validation", by Kirsten Mewes, Bremen University (External organisation)
Period: 12 Nov 2009
Anne Elisabeth Haxthausen (External examiner)
Software Engineering

Towards a Framework for Modelling and Verification of Relay Interlocking Systems
Period: 11 Nov 2009
Anne Elisabeth Haxthausen (Speaker)
Software Engineering

Description
This talk describes a framework currently under development for modelling, simulation and verification of relay interlocking systems as used by the Danish railways. The framework is centered around a domain-specific language (DSL) for describing such systems, and provides (1) graphical editors for creating DSL descriptions, (2) a validator for checking that DSL descriptions are statically well-formed (follow structural rules of the domain), (3) a graphical simulator for simulating the dynamic behaviour of relay interlocking systems, and (4) generators that from a DSL description can derive a state transition system model for the dynamic behaviour of the described relay interlocking system and its physical environment, as well as safety conditions (a model checker can then be applied to verify that the system satisfies the safe conditions). A description in the language consists of a track layout for the station under control, train route tables, and circuit diagrams describing the static layout of the circuits implementing the relay interlocking system. The talk will finally touch upon how the framework is formally developed using the RAISE formal method.
Note: Invited seminar talk.
Place: Universität Bremen

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

Meta-analysis and databasing of neuroimaging studies
Period: 7 Oct 2009
Finn Årup Nielsen (Speaker)
Cognitive Systems

Description
Note: From PhD course Advances in magnetic resonance imaging of human brain structure and function at Hvidovre Hospital, University of Copenhagen.
Place: Hvidovre Hospital, Denmark
**International Symposium on Voronoi Diagrams in science and engineering**

**Period:** 23 Jun 2009 → …

**Francesc/François Antón Castro (Participant)**

National Space Institute

Geodesy

Department of Informatics and Mathematical Modeling

Image Analysis and Computer Graphics

**Description**

Body type: Steering Committee

Degree of recognition: International

**Related external organisation**

**International Symposium on Voronoi Diagrams in science and engineering**

Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**Cryptographic hash functions: Invited talk at Univerzita Karlova v Praze**

**Period:** 16 Jun 2009

Praveen Gauravaram (Speaker)

Department of Mathematics

Discrete mathematics

**Description**

This talk is on several aspects of cryptographic hash functions. The talk covers popular hash function designs and their security analysis. The talk also covers some important applications of hash functions and the impact of the security of the hash functions on the applications.
On randomizing hash functions to strengthen the security of digital signatures
Period: 20 Mar 2009
Praveen Gauravaram (Speaker)
Department of Mathematics
Discrete mathematics

A Domain-specific, Model-based Approach for Construction and Verification of Railway Control Systems
Period: 23 Jan 2009
Anne Elisabeth Haxthausen (Speaker)
Department of Informatics and Mathematical Modeling
Software Engineering

Description
This talk describes a complete model-based development and verification approach for railway control systems. For each control system to be generated, the user makes a description of the application-specific parameters in a domain-specific language. This description is automatically transformed into an executable control system model expressed in SystemC. This model is then compiled into object code. Verification is performed at different levels: (0) The domain-specific description is validated wrt. internal consistency by static analysis. (1) The crucial safety properties are verified for the SystemC model by means of bounded model checking. (2) The object code is verified to be I/O behavioural equivalent to the SystemC model from which it was compiled.
Note: Invited seminar talk
Place: Christian-Albrechts-Universität zu Kiel

Nordic Master School in Innovative ICT (NMS iICT) (External organisation)
Period: 16 Jan 2009 → 31 Aug 2014
Flemming Stassen (Participant)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Description
NMS iICT - Nordic Master School in Innovative Information and Communication Technologies

Associate Editor Molecular Ecology (External organisation)
Period: 1 Jan 2009 → …
Gilles Guillot (Participant)
Related external organisation

Associate Editor Molecular Ecology
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Reviewer for Global Ecology and BioGeography, Biometrics, Conservation Genetics (Journal)
Period: 1 Jan 2009 → 31 Dec 2009
Gilles Guillot (Reviewer)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Related journal

Reviewer for Global Ecology and BioGeography, Biometrics, Conservation Genetics
Local database
Activity: Research › Peer review of manuscripts

An on-line birthday forgery attack on some randomize hash then sign signature algorithms: ECRYPT-II Kickoff meeting at K.U.Leuven, Leuven, Belgium
Period: 25 Nov 2008
Praveen Gauravaram (Speaker)
Department of Mathematics
Discrete mathematics

Description
Place: K.U.Leuven, Leuven, Belgium

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

Cognitive Component Analysis
Period: 31 Oct 2008
Ling Feng (Speaker)
Department of Informatics and Mathematical Modeling

Description
It concerns the investigation of the consistency of statistical regularities in a signaling ecology and human cognition, while inferring appropriate actions for a speech-based perceptual task. It is based on unsupervised Independent Component Analysis providing a rich spectrum of audio contexts along with pattern recognition methods to map components to known contexts. It also involves looking for the right representations for auditory inputs, i.e. the data analytic processing pipelines invoked by human brains. The main ideas refer to Cognitive Component Analysis, defined as the process of unsupervised grouping of generic data such that the ensuing group structure is well-aligned with that resulting from human cognitive activity. Its hypothesis runs ecologically: features which are essentially independent in a context defined ensemble, can be efficiently coded as sparse independent component representations. The focus has been to construct a preprocessing pipeline for COCA to search for the ‘cognitive structure’, and to measure the alignment of the resulting from unsupervised learning and human cognition. Based on the nature of human auditory system and psychoacoustics, we have constructed the pipeline: feature extraction; feature integration; energy based sparsification; and principal component analysis. To test whether human uses information theoretically optimal ICA methods in higher cognitive functions, is the main concern in this thesis. It is well-documented that unsupervised learning discovers statistical regularities. However human cognition is too complicated and not yet fully understood. Nevertheless, in our approach we represent human cognitive processes as a classification rule in supervised learning. Thus we have devised a testable protocol to test the consistency of statistical properties and human cognitive activity, i.e. unsupervised learning of perceptual inputs and supervised learning of inputs together with manually obtained labels. The comparison has been carried out at different levels. This protocol has successfully revealed the consistency of two classifications via several speech-based cognitive tasks.
Note: It is the presentation from the author’s Ph. D. defense
**A Metabolic Switch**

Poul G. Hjorth (Speaker)

Department of Mathematics  
Dynamical systems

**Description**

Our muscles are metabolically flexible, i.e., they are capable of `switching' between two types of oxidation: (1) when fasting, a predominantly lipid oxidation with high rates of fatty acid uptake, and (2) when fed, suppression of lipid oxidation in favour of increased glucose uptake, oxidation and storage, in response to insulin. One of the many manifestations of obesity and Type 2 diabetes is an insulin resistance of the skeletal muscles, which suppresses this metabolic switch. This talk describes recent development of a low-dimensional system of ODEs that model the metabolic switch, displaying a sensitivity to insulin concentration which matches well with clinical data.

Place: ISABEL, Aalborg University, Oct 25-28, 2008

Related external organisation

Unknown external organisation  
Activity: Talks and presentations › Conference presentations

**An on-line birthday forgery attack on some randomized-hash-then-sign signatures**

Praveen Gauravaram (Speaker)

Department of Mathematics  
Discrete mathematics

Related external organisation

Royal Holloway University of London  
Egham, United Kingdom  
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities
13th Nordic Workshop on Secure IT Systems
Flemming Stassen (Organizer)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

Related event
13th Nordic Workshop on Secure IT Systems
09/10/2008 → 10/10/2008
Kongens Lyngby, Denmark
Activity: Attending an event › Participating in or organising a conference

Trajectories in Celestial Mechanics
Period: 1 Sep 2008 → 31 Dec 2008
Poul G. Hjorth (Other)
Department of Mathematics
Dynamical systems

Description
Vejledning af bachelorprojekt ved Niels Bohr Instituttet
Documents: jepeforside.pdf

Related external organisation
Niels Bohr Institute
Copenhagen, Denmark
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

World in a Natural Science Perspective: Lectures at the Open University, Folkeuniversitetet i København
Period: 1 Sep 2008 → 31 Dec 2008
Poul G. Hjorth (Lecturer)
Department of Mathematics
Dynamical systems
Links:
http://www.fukoebenhavn.dk/default.aspx?pagetype=9&ListType=3&ID=25 (Link til linjestudiet: "Verden i Naturvidenskabeligt Perspektiv")

Related external organisation
Folkeuniversitetet i København
Læderstræde 34, 2, 1201, København, Denmark
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

European Study Group for Industry (ESGI); 66
Mads Peter Sørensen (Participant)
Department of Mathematics
Dynamical systems

Related event
European Study Group for Industry (ESGI); 66
18/08/2008 → 22/08/2008
Cluster of scientific citations in Wikipedia: Wikimania 2008
Period: 19 Jun 2008
Finn Årup Nielsen (Speaker)
Department of Informatics and Mathematical Modeling

Description
The instances of templates in Wikipedia form an interesting data set of structured information. Here I focus on the cite journal template that is primarily used for citation to articles in scientific journals. These citations can be extracted and analyzed: Non-negative matrix factorization is performed on a (article x journal) matrix resulting in a soft clustering of Wikipedia articles and scientific journals, each cluster more or less representing a scientific topic.

Place: Bibliotheca Alexandrina, Alexandria, Egypt

Documents:
Nielsen2008Clustering_slides.pdf
Links:

Related external organisation
Unknown external organisation
Activity: Talks and presentations › Conference presentations

User Conference Danish Center for Scientific Computing
Period: 1 Apr 2008
Mads Peter Sørensen (Participant)
Department of Mathematics

Description
Poster: The Ginzburg-Landau equation solved by the finite element method.

Documents:
GinzburgLandau.ppt

Related event
User Conference Danish Center for Scientific Computing
01/04/2008 → 01/04/2008
Technical University of Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

HiPEAC - European Network of Excellence on High Performance and Embedded Architecture and Compilation (External organisation)
Period: 27 Jan 2008 → 31 Dec 2018
Sven Karlsson (Participant)
Department of Applied Mathematics and Computer Science

Related external organisation
HiPEAC - European Network of Excellence on High Performance and Embedded Architecture and Compilation
Activity: Membership › Membership of research networks or expert groups

Control Theory
Period: 9 Jan 2008 → 31 Dec 2008
Echternach Symmetric Crypto seminar (ESC); 1
Period: 7 Jan 2008 → 11 Jan 2008
Erik Zenner (Speaker)
Department of Mathematics
Discrete mathematics

Description
Cache Timing Attacks have been primarily discussed in connection with the Advanced Encryption Standard (AES), where they are applicable in a very straightforward way. However, the underlying techniques can be applied to other cryptographic building blocks too, as becomes obvious when considering e.g. the AES-based stream cipher LEX. In this talk, we will briefly review cache timing attacks and discuss their significance. We will then present some findings from our analysis of eStream finalist stream ciphers. While these findings do not seem to endanger the practical security of the ciphers considered, they illustrate some design techniques that help preventing cache timing attacks. In addition, they may give rise to some deeper questions about what is usually considered a success in the more standard areas of cryptanalysis.
Place: Echternach (Luxembourg)

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

An Introduction to Multisensory Perception
Period: 1 Jan 2008 → …
Tobias Andersen (Speaker)
Department of Informatics and Mathematical Modeling
Cognitive Systems

Related external organisation

Aalborg University
A.C. Meyers Vænge 15, 2450 Copenhagen SV, Aalborg, Denmark
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Impact Theory
Period: 1 Jan 2008 → 31 Dec 2008
Marie Bro Duun (Participant)
Department of Mathematics
Dynamical systems

Related event

Impact Theory
01/01/2008 → 31/12/2008
DTU Matematik
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Impact Theory
Period: 1 Jan 2008 → 31 Dec 2008
Poul G. Hjorth (Participant)
Department of Mathematics
Dynamical systems

**Description**
Course lecturer

**Related event**

**Impact Theory**
01/01/2008 → 31/12/2008
DTU Matematik
Activity: Other

**Fundamentals of Information Security and Cryptology**
Period: 27 Dec 2007
Praveen Gauravaram (Invited speaker)
Department of Mathematics
Discrete mathematics

**Description**
This lecture gives an overview of the fundamental concepts in information security and cryptology.
Note: This is an invited lecture at SVUCE in Tirupati in Andhra Pradesh state, India

**Related external organisation**
Sri Venkateswara University College of Engineering
Tirupati, India
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**Cryptographic Hash Functions: Cryptanalysis, Design and Applications**
Period: 19 Dec 2007
Praveen Gauravaram (Speaker)
Department of Mathematics
Discrete mathematics

**Description**
In this talk, I have outlined the state of art in the cryptanalysis, design and applications of cryptographic hash functions.
Note: This is an invited talk at NTRO, New Delhi
Place: National Technology Research Organisation (NTRO), New Delhi, India

**Related external organisation**
Unknown external organisation
Activity: Talks and presentations › Conference presentations

**NDRF Post Graduate Education Seminar**
Jan Larsen (Participant)
Department of Informatics and Mathematical Modeling
Cognitive Systems

**Description**
Statistical framework for decision making in mine action
Links:
http://www2.imm.dtu.dk/pubdb/views/publication_details.php?id=5491

**Related event**
NDRF Post Graduate Education Seminar
06/10/2007 → 07/10/2007
Hevring, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Workshop and ph.d. course on symbolic dynamics in complex dynamics
Christian Henriksen (Participant)
Department of Mathematics
Dynamical systems

Related event
Workshop and ph.d. course on symbolic dynamics in complex dynamics
04/10/2007 → 07/10/2007
Sea Mining Station, Hillerød
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Workshop "Kryptologie in Theorie und Praxis"; 2
Period: 27 Sep 2007
Erik Zenner (Organizer)
Department of Mathematics
Discrete mathematics

Related event
Workshop "Kryptologie in Theorie und Praxis"; 2
Bremen (Germany)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Verden i Naturvidenskabeligt Perspektiv
Period: 1 Sep 2007 → 10 Dec 2007
Poul G. Hjorth (Organizer)
Department of Mathematics
Dynamical systems
Links:

Related event
Verden i Naturvidenskabeligt Perspektiv
01/09/2007 → 10/12/2007
København, Denmark
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Forum Digital Sikkerhed
Period: 20 Jun 2007
Erik Zenner (Speaker)
Department of Mathematics
Discrete mathematics

Description
Report of the 34th meeting of ISO/IEC JTC1/Sc 27 in Russia
Place: Charlottenlund
Documents:
report_iso_meeting_34.pdf
Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

Workshop on Analysis and Control of Complex Networks
Rainer Berkemer (Participant)
Department of Mathematics
Dynamical systems
Links:
http://www.sicc-it.org/SICC_Drupal_i18n/?q=it/node/177 (Analysis and Control of Complex Networks | Società Italiana Caos e Complessità)

Related event

Workshop on Analysis and Control of Complex Networks
24/05/2007 → 26/05/2007
Milano, Italy
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

An Introduction to Multisensory Perception
Period: 1 Jan 2007 → …
Tobias Andersen (Speaker)
Department of Informatics and Mathematical Modeling
Cognitive Systems

Related external organisation

Aalborg University
A.C. Meyers Vænge 15, 2450 Copenhagen SV, Aalborg, Denmark
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Audiovisual perception
Period: 1 Jan 2007 → …
Tobias Andersen (Speaker)
Department of Informatics and Mathematical Modeling
Cognitive Systems

Description
Place: Audio Signal Processing Network in Denmark (ASIP), Seminar on Audio Perception and Evaluation, GN ReSound, Ballerup, Denmark

Related external organisation

Unknown external organisation
Activity: Talks and presentations › Conference presentations

Generalizing the spider algorithm
Period: 1 Jan 2007 → …
Christian Henriksen (Speaker)
Department of Mathematics
Dynamical systems

Related external organisation
Risk assessment in food allergy: Benchmark dose and margin of exposure
Period: 1 Jan 2007 → …
Per B. Brockhoff (Speaker)
Department of Informatics and Mathematical Modeling
Mathematical Statistics

Evaluation of factors affecting the analytical sensitivity of bacteriological methods for investigation of S. Dublin in bovine faecal samples
Period: 10 May 2006 → 12 May 2006
Annette Kjær Ersbøll (Speaker)
Department of Informatics and Mathematical Modeling

Odds model med ordinal polynomial respons til testning af effekten af interventioner omhandlende sund mad på arbejdspladsen
Period: 1 Jan 2006 → …
Jens Strodl Andersen (Speaker)
Department of Informatics and Mathematical Modeling

Erasmus Mundus Master's Programme in Security and Mobile Computing
Period: 1 Aug 2005 → 31 Aug 2012
Flemming Stassen (Organizer)
Department of Informatics and Mathematical Modeling
Embedded Systems Engineering

Erasmus Mundus Master's Programme in Security and Mobile Computing: National coordinator
Links:
http://www.imm.dtu.dk/English/Teaching/MSc/Erasmus_Mundus.aspx (EXT-OA)
Økonomi- og Erhvervsministeriet (External organisation)
Period: 1 Jul 2004 → 30 Jun 2009
Flemming Stassen (Participant)
Department of Applied Mathematics and Computer Science
Embedded Systems Engineering

**Description**
Appeal Board of Patents and Trademarks

Technical reviewer (reappointment)

Body type: Appeal board
Links:
http://www.pvanke.dk/pvanke

**Related external organisation**

Økonomi- og Erhvervsministeriet
Slotsholmgade 12, 1216, København K, Denmark
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

President of the International Association of Vehicle System Dynamics (External organisation)
Period: Aug 2003 → Aug 2017
Hans True (Chairman)
Department of Informatics and Mathematical Modeling

**Description**
Body type: Scientific association

**Related external organisation**

President of the International Association of Vehicle System Dynamics
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Ankenævnet for Patenter og Varemærker (External organisation)
Period: 1 Jul 1999 → 30 Jun 2004
Flemming Stassen (Participant)
Department of Informatics and Mathematical Modeling
Embedded Systems Engineering

**Description**
Technical reviewer
Links:
http://www.pvanke.dk/ (EXT-OA)

**Related external organisation**

Ankenævnet for Patenter og Varemærker
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar