Copenhagen Center for Health Technology - DTU Orbit (28/12/2017)
Copenhagen Center for Health Technology
Center
Organisational unit: Center

Publications:

**The Hi-Ring Architecture for Data Center Networks**
Publication: Research - peer-review › Book chapter – Annual report year: 2018

**3.5 W of diffraction-limited green light at 515 nm from SHG of a single-frequency tapered diode laser**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

**A Combination of Machine Learning and Cerebellar-like Neural Networks for the Motor Control and Motor Learning of the Fable Modular Robot**
Baira Ojeda, I., Tolu, S., Pacheco, M., Christensen, D. J. & Lund, H. H. 2017 In: *Journal of Robotics Networks and Artificial Life*. 4, 1, p. 62-66
Publication: Research - peer-review › Journal article – Annual report year: 2017

**A Combination of Machine Learning and Cerebellar Models for the Motor Control and Learning of a Modular Robot**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

**Activity-Based Collaboration for Interactive Spaces**
Publication: Research - peer-review › Book chapter – Annual report year: 2017

**Adaptive control in an artificial pancreas for people with type 1 diabetes**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**A Diagnostic and Predictive Framework for Wind Turbine Drive Train Monitoring**
Publication: Research › Ph.D. thesis – Annual report year: 2017

**Administration of two probiotic strains during early childhood does not affect the endogenous gut microbiota composition despite probiotic proliferation**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**A framework of knowledge creation processes in participatory simulation of hospital work systems**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**A least squares approach for efficient and reliable short-term versus long-term optimization**
DeepLoc: prediction of protein subcellular localization using deep learning
Publication: Research - peer-review › Journal article – Annual report year: 2017

Deep recurrent conditional random field network for protein secondary prediction
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Design process robustness: A bi-partite network analysis shows the central importance of people
Publication: Research - peer-review › Journal article – Annual report year: 2017

Detection of Paroxysms in Long-Term, Single Channel EEG-Monitoring of Patients with Typical Absence Seizures.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Diagnostic value of sleep stage dissociation as visualized on a 2-dimensional sleep state space in human narcolepsy
Publication: Research - peer-review › Journal article – Annual report year: 2017

Distributed co-simulation of embedded control software with exhaust gas recirculation water handling system using INTO-CPS
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Publication: Research - peer-review › Book – Annual report year: 2017

Publication: Research - peer-review › Book – Annual report year: 2017

Publication: Research - peer-review › Book – Annual report year: 2017

DS 87-4 Proceedings of the 21st International Conference on Engineering Design (ICED 17) Vol 4: Design Methods and Tools
Publication: Research - peer-review › Book – Annual report year: 2017
Publication: Research - peer-review › Book – Annual report year: 2017

DS 87-6 Proceedings of the 21st International Conference on Engineering Design (ICED 17) Vol 6: Design Information and Knowledge
Publication: Research - peer-review › Book – Annual report year: 2017

DS 87-7 Proceedings of the 21st International Conference on Engineering Design (ICED 17) Vol 7: Design Theory and Research Methodology
Publication: Research - peer-review › Book – Annual report year: 2017

Publication: Research - peer-review › Book – Annual report year: 2017

DS 87-9 Proceedings of the 21st International Conference on Engineering Design (ICED 17) Vol 9: Design Education
Publication: Research - peer-review › Book – Annual report year: 2017

Publication: Research - peer-review › Book – Annual report year: 2017

Economy, Movement Dynamics, and Muscle Activity of Human Walking at Different Speeds
Publication: Research - peer-review › Journal article – Annual report year: 2017

EEG Based Inference of Spatio-Temporal Brain Dynamics
Publication: Research › Ph.D. thesis – Annual report year: 2017

EEG in the classroom: Synchronised neural recordings during video presentation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of Gliadin consumption on the Intestinal Microbiota and Metabolic Homeostasis in Mice Fed a High-fat Diet
Publication: Research - peer-review › Journal article – Annual report year: 2017

Efficient generation of 3.5W laser light at 515nm by frequency doubling a single-frequency high power DBR tapered diode laser
Electrophysiological dynamics of covert and overt visual attention.
Publication: Research › Ph.D. thesis – Annual report year: 2017

End-to-end information extraction without token-level supervision
Publication: Research - peer-review › Journal article – Annual report year: 2017

Engineering Value-Effective Healthcare Solutions: A Systems Design Perspective
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Enhancing User Experience in Next Generation Mobile Devices Using Eye Tracking as a Biometric Sensor
Publication: Research › Ph.D. thesis – Annual report year: 2017

Environmental influences on ovarian dysgenesis - developmental windows sensitive to chemical exposures
Publication: Research - peer-review › Journal article – Annual report year: 2017

Erratum to: The OECD validation program of the H295R steroidogenesis assay: Phase 3. Final inter-laboratory validation study
Publication: Research - peer-review › Journal article – Annual report year: 2017

Fatty acid composition and phospholipid types used in infant formulas modifies the establishment of human gut bacteria in germ-free mice
Publication: Research - peer-review › Journal article – Annual report year: 2017

First Foods and Gut Microbes
Publication: Research - peer-review › Journal article – Annual report year: 2017

Foreign object detection in multispectral X-ray images of food items using sparse discriminant analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

From Raw Data to Social Systems - Separating the Signal from the Noise In Smartphone Sensor Measurements
Publication: Research › Ph.D. thesis – Annual report year: 2017

Generative Temporal Modelling of Neuroimaging - Decomposition and Nonparametric Testing
Publication: Research › Ph.D. thesis – Annual report year: 2017
Glyphosate has limited short-term effects on commensal bacterial community composition in the gut environment due to sufficient aromatic amino acid levels


Publication: Research - peer-review › Journal article – Annual report year: 2017

Helbredstjek af dansk sundhedsteknologi: Sektorudviklingsrapport


Publication: Commissioned › Report – Annual report year: 2017

High-fat feeding rather than obesity drives taxonomical and functional changes in the gut microbiota in mice


Publication: Research - peer-review › Journal article – Annual report year: 2017

Improved detection of chemical substances from colorimetric sensor data using probabilistic machine learning


Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Inferring human intentions from the brain data


Publication: Research › Ph.D. thesis – Annual report year: 2017

Integrated single- and two-photon light sheet microscopy using accelerating beams


Publication: Research - peer-review › Journal article – Annual report year: 2017

Integrating experiences from operations into engineering design: modelling knowledge transfer in the offshore oil industry


Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Learning from participatory design projects across industries


Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Low Cost and Flexible UAV Deployment of Sensors


Publication: Research - peer-review › Journal article – Annual report year: 2017

Medial structure generation for registration of anatomical structures


Publication: Research - peer-review › Book chapter – Annual report year: 2017
Security And Privacy Issues in Healthcare Monitoring Systems: A Case Study
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Semi-Supervised Generation with Cluster-aware Generative Models
Publication: Research - peer-review › Journal article – Annual report year: 2017

Sensing behaviour in healthcare design
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Simulation Approach for Timing Analysis of Genetic Logic Circuits
Publication: Research - peer-review › Journal article – Annual report year: 2017

Spatial Filter Feature Extraction Methods for P300 BCI Speller: A Comparison
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Study protocol: effect of playful training on functional abilities of older adults - a randomized controlled trial
Publication: Research - peer-review › Journal article – Annual report year: 2017

System-Level Sensitivity Analysis of SiNW-bioFET-Based Biosensing Using Lockin Amplification
Publication: Research - peer-review › Journal article – Annual report year: 2017

Test-Driven, Model-Based Systems Engineering.
Publication: Research › Ph.D. thesis – Annual report year: 2017

The Attentional Capture of Colour in Visual Interface Design: A Controlled Environment Study
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

The Internet of Hackable Things
Publication: Research - peer-review › Journal article – Annual report year: 2017

Towards industry strength mapping of AUTOSAR automotive functionality on multicore architectures: work in progress
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Tværfagligt samarbejde eller innovationsprocesser
Publication: Research - peer-review › Book chapter – Annual report year: 2017
Two subgroups of antipsychotic-naive, first-episode schizophrenia patients identified with a Gaussian mixture model on cognition and electrophysiology
Publication: Research - peer-review › Journal article – Annual report year: 2017

Using data- and network science to reveal iterations and phase-transitions in the design process
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Validation of a Simulation Model Describing the Glucose-Insulin-Glucagon Pharmacodynamics in Patients with Type 1 Diabetes
Publication: Research › Poster – Annual report year: 2017

Whole grain-rich diet reduces body weight and systemic low-grade inflammation without inducing major changes of the gut microbiome: a randomised cross-over trial
Publication: Research - peer-review › Journal article – Annual report year: 2017

Workspace experiments: a journey on planning participatory design
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

A comparative study of pseudorandom sequences used in a c-VEP based BCI for online wheelchair control
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A comprehensive performance analysis of EEMD-BLMS and DWT-NN hybrid algorithms for ECG denoising
Publication: Research - peer-review › Journal article – Annual report year: 2016

Adaptive gaze stabilization through cerebellar internal models in a humanoid robot
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A framework for geometry acquisition, 3-D printing, simulation, and measurement of head-related transfer functions with a focus on hearing-assistive devices
Publication: Research - peer-review › Journal article – Annual report year: 2016

Algorithms and Methods for High-Performance Model Predictive Control
Publication: Research › Ph.D. thesis – Annual report year: 2016
Analog Gradient Beamformer for a Wireless Ultrasound Scanner.

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A Noise-Assisted Data Analysis Method for Automatic EOG-Based Sleep Stage Classification Using Ensemble Learning

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Application of a New Robust ECG T-Wave Delineation Algorithm for the Evaluation of the Autonomic Innervation of the Myocardium

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Architecture Synthesis for Cost-Constrained Fault-Tolerant Flow-based Biochips

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A roadmap for evolving towards optical intra-data-center networks

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Assemblages of Patient Safety: Bringing together matters of concern between design and multiple knowledge practices in healthcare

Publication: Research › Ph.D. thesis – Annual report year: 2016

Assessing Levels of Attention Using Low Cost Eye Tracking

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A Survey of Man in the Middle Attacks

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Automatic Functionality Assignment to AUTOSAR Multicore Distributed Architectures

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Automatic Model Generation Framework for Computational Simulation of Cochlear Implantation

Publication: Research - peer-review › Journal article – Annual report year: 2015

Behavioral activities collected through smartphones and the association with illness activity in bipolar disorder

Publication: Research - peer-review › Journal article – Annual report year: 2015
Characterizing Design Process Interfaces as Organization Networks: Insights for Engineering Systems Management
Publication: Research - peer-review › Journal article – Annual report year: 2016

Publication: Research › Ph.D. thesis – Annual report year: 2016

Cochlear Implant Electrode Localization in Post-operative CT Using a Spherical Measure
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Colonic Transit Time is Related to Bacterial Metabolism and Mucosal Turnover in the Human Gut
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Controllability and Flexibility Analysis of CO2 Post-combustion Capture Using Piperazine and MEA
Publication: Research - peer-review › Journal article – Annual report year: 2016

Designing Context-aware Cognitive Behavioral Therapy for Unipolar and Bipolar Disorders
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Developing a Framework to Transfer Knowledge from Operations into Engineering Design Projects: Understanding the Knowledge Management Challenge
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Diffusion Retardation by Binding of Tobramycin in an Alginate Biofilm Model.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Distributed Model Predictive Control for Smart Energy Systems
Publication: Research - peer-review › Journal article – Annual report year: 2016
Dynamic Operation and Simulation of Post-Combustion CO2 Capture
Publication: Research - peer-review › Conference article – Annual report year: 2016

Economic Model Predictive Control for Spray Drying Plants
Publication: Research › Ph.D. thesis – Annual report year: 2016

Effect of administration of antibiotics peripartum to wistar rats on bile acid profiles in offspring
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Electronic self-monitoring of mood using IT platforms in adult patients with bipolar disorder: A systematic review of the validity and evidence
Faurholt-Jepsen, M., Munkholm, K., Frost, M., Bardram, J. E. & Kessing, L. V. 2016 In : Molecular Psychiatry. 16, 7, p. 1-14
Publication: Research - peer-review › Journal article – Annual report year: 2016

Emergency Management involving Critical Infrastructure Disruptions: operationalizing the deployment of resilience capabilities
Publication: Research › Article in proceedings – Annual report year: 2017

Enhancing Security and Privacy in Video Surveillance through Role-Oriented Access Control Mechanism
Publication: Research › Ph.D. thesis – Annual report year: 2016

Environmental chemicals and their effects on female reproductive health: Searching for molecular mechanisms and effect biomarkers
Publication: Research › Ph.D. thesis – Annual report year: 2017

Evaluation and understanding of Playware Technology – trials with playful balance training.
Publication: Research › Ph.D. thesis – Annual report year: 2016

Evolvable Smartphone-Based Platforms for Point-Of-Care In-Vitro Diagnostics Applications
Publication: Research - peer-review › Journal article – Annual report year: 2016

Experimental Demonstration of Multidimensional Switching Nodes for All-Optical Data Center Networks
Publication: Research - peer-review › Journal article – Annual report year: 2016

Eye-head stabilization mechanism for a humanoid robot tested on human inertial data
Publication: Research - peer-review › Conference article – Annual report year: 2016
Fluorinated alkyl substances and technical mixtures used in food paper-packaging exhibit endocrine-related activity in vitro
Publication: Research - peer-review › Journal article – Annual report year: 2016

Forward Models can be Inferred from EEG Data
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Fundamental structures of dynamic social networks
Publication: Research - peer-review › Journal article – Annual report year: 2016

High-resolution kinetics and modeling of hydrogen peroxide degradation in live cells
Publication: Research - peer-review › Journal article – Annual report year: 2016

Infant Gut Microbiota Development Is Driven by Transition to Family Foods Independent of Maternal Obesity
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Integrating ergonomics knowledge into business-driven design projects: The shaping of resource constraints in engineering consultancy
Publication: Research - peer-review › Journal article – Annual report year: 2016

Knowledge crossing boundaries
Publication: Research › Report – Annual report year: 2016

Ladder Variational Autoencoder
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Measure of Node Similarity in Multilayer Networks
Publication: Research - peer-review › Journal article – Annual report year: 2016

Mechanisms behind cancer risks associated with consumption of red and processed meat
Publication: Research - peer-review › Report – Annual report year: 2016

Modeling and Prediction Using Stochastic Differential Equations
Publication: Research - peer-review › Book chapter – Annual report year: 2016
Modelling the glucose-insulin-glucagon dynamics after subcutaneous administration of native glucagon and a novel glucagon analogue in dogs
Publication: Research - peer-review › Poster – Annual report year: 2016

Modelling the glucose-insulin-glucagon dynamics after subcutaneous administration of native glucagon and a novel glucagon analogue in dogs
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Model of the Glucose-Insulin-Glucagon Dynamics after Subcutaneous Administration of a Glucagon Rescue Bolus in Healthy Humans
Publication: Research › Poster – Annual report year: 2016

Model of the Glucose-Insulin-Glucagon Dynamics after Subcutaneous Administration of a Glucagon Rescue Bolus in Healthy Humans
Publication: Research › Conference abstract for conference – Annual report year: 2016

Multi-photon microscope driven by novel green laser pump
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Multiple endocrine disrupting effects in rats perinatally exposed to butylparaben
Publication: Research - peer-review › Journal article – Annual report year: 2016

Net-Sights: A Practical Guide: Network insights for collaborative sustainable production
Publication: Research - peer-review › Report – Annual report year: 2016

Neural Markers of Responsiveness to the Environment in Human Sleep
Publication: Research - peer-review › Journal article – Annual report year: 2016

Neurofeedback Therapy for Enhancing Visual Attention: State-of-the-Art and Challenges
Publication: Research - peer-review › Journal article – Annual report year: 2016

Novel Automatic Detection of Pleura and B-lines (Comet-Tail Artifacts) on In-Vivo Lung Ultrasound Scans.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Optimal uplink power control for dual connected users in LTE heterogeneous networks
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Participatory methods for initiating manufacturing employees’ involvement in product innovation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Participatory simulation in hospital work system design
Publication: Research › Ph.D. thesis – Annual report year: 2017

Perturbation of neonatal microbial gut community by peripartum antibiotics in wistar rats lead to decreased weight gain
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

PK/PD modelling of glucose-insulin-glucagon dynamics in healthy dogs after a subcutaneous bolus administration of native glucagon or a novel glucagon analogue
Publication: Research › Report – Annual report year: 2016

Portable Prescreening System for Sleep Apnea
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Predicting the emotions expressed in music
Publication: Research › Ph.D. thesis – Annual report year: 2016
The Center for Integrated Molecular Brain Imaging (Cimbi) database
Publication: Research - peer-review › Journal article – Annual report year: 2015

The Personal Health Technology Design Space
Publication: Research - peer-review › Journal article – Annual report year: 2016

Timing Analysis of Genetic Logic Circuits using D-VASim
Baig, H. & Madsen, J. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Transferring in vivo exposure into in vitro assays using silicone to assess the endocrine activity of POPs accumulated in human breast implants
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Using Network Science to Support Design Research: From Counting to Connecting
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Visualizing Patient Journals by Combining Vital Signs Monitoring and Natural Language Processing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Voice analysis as an objective state marker in bipolar disorder
Faurholt-Jepsen, M., Busk, J., Frost, M., Vinberg, M., Christensen, E. M., Winther, O., Bardram, J. E. & Kessing, L. V. 2016 In : Translational Psychiatry. 6, 7, 8 p., e856
Publication: Research - peer-review › Journal article – Annual report year: 2016

Voice analysis as an objective state marker in bipolar disorder
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2016

Wrist-worn pervasive gaze interaction
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A Bolus Calculator Based on Continuous-Discrete Unscented Kalman Filtering for Type 1 Diabetics
Publication: Research - peer-review › Conference article – Annual report year: 2015

Advanced automated gain adjustments for in-vivo ultrasound imaging
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015
A Networked Perspective on the Engineering Design Process: At the Intersection of Process and Organisation Architectures
Publication: Research › Ph.D. thesis – Annual report year: 2015

Automatic Generation of a Computational Model for Monopolar Stimulation of Cochlear Implants
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Bi-hormonal control of blood glucose in people with type 1 diabetes
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Characterization of early and mature electrophysiological biomarkers of patients with Parkinson's disease
Christensen, J. A. E., Sørensen, H. B. D., Jennum, P., Rahn Christensen, S. & Arvastson, L. 2015 Technical University of Denmark, Department of Electrical Engineering. 185 p.
Publication: Research › Ph.D. thesis – Annual report year: 2015

Cochlear Implant Planning, Selection and Simulation with Patient Specific Data
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Comparison of Prediction Models for a Dual-Hormone Artificial Pancreas
Publication: Research - peer-review › Conference article – Annual report year: 2015

Control of a post-combustion CO2 capture plant during process start-up and load variations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Control Plane Strategies for Elastic Optical Networks
Publication: Research › Ph.D. thesis – Annual report year: 2015

Design of Low Power Algorithms for Automatic Embedded Analysis of Patch ECG Signals
Publication: Research › Ph.D. thesis – Annual report year: 2015

D-VASim: Dynamic Virtual Analyzer and Simulator for Genetic Circuits
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Fault-Tolerant Digital Microfluidic Biochips: Compilation and Synthesis
Publication: Research › Book – Annual report year: 2015
How Many Separable Sources? Model Selection In Independent Components Analysis
Publication: Research - peer-review › Journal article – Annual report year: 2015

Implementation of real-time duplex synthetic aperture ultrasonography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Investigation of the Minimum Conditions for Reliable Estimation of Clinically Relevant HRV Measures: Introducing a Novel Approach to the Validation of HRV Measurement Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Investigating the Minimum Conditions for Reliable Estimation of Clinically Relevant HRV Measures: Introducing a Novel Approach to the Validation of HRV Measurement Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Predicting Detailed Inner Ear Anatomy from Pre-Operational CT for Cochlear Implant Surgery
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Smartphone data as an electronic biomarker of illness activity in bipolar disorder
Publication: Research - peer-review › Journal article – Annual report year: 2016

Towards droplet size-aware biochemical application compilation for AM-EWOD biochips
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Towards Quasi-continuous Heart Rate Variability Estimation using a Patch Type Electrocardiogram Recorder
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Projects:

Cyber Resilience for the Shipping Industry
01/09/2017 → 31/08/2019
Project

Future risk assessment of chemicals (MIRaculiX)
Vinggaard, A. M., Taxvig, C., Svingen, T., Boberg, J. & Bonomo, S.
02/01/2017 → 31/12/2018
Project

GazeIT – Accessibility by Gaze Tracking
Hansen, J. P.
01/04/2016 → 31/03/2021
Project

Human Brain Project
Tolu, S., Lund, H. H., Baira Ojeda, I. & Christensen, D. J.
01/04/2016 → 01/04/2018
Project
Reducing the rate and duration of re-admission among patients with unipolar and bipolar disorder using smartphone-based monitoring and treatment
Bardram, J. E. & Winther, O.
01/03/2016 → 01/09/2019
Project

Activities:

Towards New Affect Integrated Interaction Design (Event)
Maier, A. (External examiner)
23 Oct 2017
Activity: Examinations and supervision › External examination

High power diode lasers converted to the visible
Jensen, O. B. (Invited speaker), Hansen, A. K. (Invited speaker), Andersen, P. E. (Guest lecturer), Christensen, M. (Guest lecturer), André Müller (Invited speaker), Mahmoud Tawfieq (Invited speaker), Bernd Sumpf (Invited speaker), Petersen, P. M. (Invited speaker)
11 Oct 2017
Activity: Talks and presentations › Conference presentations

4th Engineering Systems Design & Data Science: EuroTech Alliance DTU-TUM Workshop in Munich
Maier, A. (Participant)
19 Sep 2017 → 20 Sep 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

ICED17: 21st International Conference on Engineering Design
Maier, A. (Chairman)
21 Aug 2017 → 25 Aug 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Change or be changed: Resilience in socio-technical systems (Event)
Maier, A. (External examiner)
4 Jul 2017
Activity: Examinations and supervision › External examination

Management Team Copenhagen Center for Health Technology (Event)
Maier, A. (Member)
1 Jul 2017 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

PhD Assessment Committee Aalborg University (External organisation)
Broberg, O. (Participant)
2 Jun 2017
Activity: Membership › Membership in review committee

Mechanisms of action involved in chemically induced effects on male reproductive health
Schwartz, C. V. L. (Speaker), Christiansen, S. (Other), Vinggaard, A. M. (Other), Svingen, T. (Other)
30 Mar 2017 → 31 Mar 2017
Activity: Talks and presentations › Conference presentations

Annual Design Society Board of Management and Advisory Board Meeting (Event)
Maier, A. (Participant)
13 Mar 2017 → 17 Mar 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
ICED17: 21st International Conference on Engineering Design (Event)
Broberg, O. (Participant)
Jan 2017 → Aug 2017
Activity: Membership › Membership in review committee

3rd Engineering Systems Design & Data Science: EuroTech Alliance DTU-TUM Workshop in Copenhagen
Maier, A. (Organizer)
24 Jan 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Engineering Systems Design - International Research Seminar at DTU
Oehmen, J. (Organizer), Maier, A. (Organizer)
12 Jan 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Den Bibliometriske Forskningsindikator: Faggruppe 45 - System- og teknologiudvikling, serviceudvikling og facilities management, entreprenørforskning (External organisation)
Maier, A. (Participant)
1 Jan 2017 → 31 Dec 2019
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Design Science Journal (Journal)
Maier, A. (Editor)
1 Jan 2017 → …
Activity: Research › Journal editor

Vice-Chair, ISMRM study group on Detection & Correction of Motion in MRI & MRS (External organisation)
Hanson, L. G. (Participant)
2016 → 2017
Activity: Membership › Membership of research networks or expert groups

PhD opponent Chalmers University of Technology (External organisation)
Broberg, O. (External examiner)
6 Dec 2016
Activity: Examinations and supervision › External examination

Participatory Simulation in Hospital Work System Design (External organisation)
Maier, A. (Chairman)
29 Nov 2016
Activity: Membership › Membership in review committee

XIIth International Symposium on Human Factors in Organizational Design and Management (ODAM) (External organisation)
Broberg, O. (Participant)
Sep 2016 → Aug 2017
Activity: Membership › Membership in review committee

Mapping of design capacity in Denmark
Broberg, O. (Participant)
21 Sep 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

2nd Engineering Systems Design & Data Science: EuroTech Alliance DTU-TUM Workshop in Munich
Maier, A. (Speaker)
19 Sep 2016 → 20 Sep 2016
Risks related to static magnetic fields
Hanson, L. G. (Invited speaker)
1 Sep 2016

Net-Sights: Data-driven network insights @ Big Data Business Academy
Maier, A. (Invited speaker)
21 Jun 2016

Late-life effects on testosterone production following in utero exposure to the pesticide fludioxonil
Svingen, T. (Speaker), Taxvig, C. (Other), Boberg, J. (Other), Jorma Toppari (Other), Hass, U. (Other), Vinggaard, A. M. (Other)
11 Jun 2016 → 15 Jun 2016

14th International Design Conference
Maier, A. (Participant)
16 May 2016 → 19 May 2016

Future of Design Research @ Workshop Design Research: 10 Years On
Maier, A. (Invited speaker)
16 May 2016

CESUN Europe Event
Maier, A. (Participant)
21 Apr 2016 → 22 Apr 2016

Annual Design Society Board of Management and Advisory Board Meeting (External organisation)
Maier, A. (Participant)

Design Science Journal (Journal)
Maier, A. (Editor)
1 Feb 2016 → …

advanced NMR spectroscopy
Hanson, L. G. (Lecturer)
19 Jan 2016

A framework for conceptualisation for PSS solutions - On network-based development models (External organisation)
Maier, A. (Chairman)
18 Jan 2016

PhD Assessment Committee Aalborg University (External organisation)
Broberg, O. (Participant)
2015
Activity: Membership › Membership in review committee

**Secretary, ISMRM study group on Detection & Correction of Motion in MRI & MRS (External organisation)**
Hanson, L. G. (Participant)
2015 → 2016
Activity: Membership › Membership of research networks or expert groups

Designing Engineering Systems
Maier, A. (Keynote speaker)
4 Dec 2015
Activity: Talks and presentations › Conference presentations

**Risk in MRI associated with the static B0 field**
Hanson, L. G. (Invited speaker)
19 Nov 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**Engineering Systems: Designing Connections**
Maier, A. (Invited speaker)
30 Oct 2015
Activity: Talks and presentations › Conference presentations

Gaze interaction with textual user interface
Hansen, J. P. (Lecturer)
21 Aug 2015
Activity: Talks and presentations › Conference presentations

Programme Committee Chair for ICED17 21st International Conference on Engineering Design (External organisation)
Maier, A. (Chairman)
30 Jul 2015 → 25 Aug 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

MRI simulation for sequence development, protocol optimisation, and education
Hanson, L. G. (Organizer)
29 Jun 2015 → 1 Jul 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Bisphenol A and five structural analogues induce adipocyte differentiation and other obesity-related endpoints in 3T3-L1 cells
Ramskov Tetzlaff, C. N. (Other), Svingen, T. (Other), Vinggaard, A. M. (Other), Taxvig, C. (Other)
27 Apr 2015 → 30 Apr 2015
Activity: Talks and presentations › Conference presentations

Effects of chemical mixtures on female reproductive endpoints
Johansson, H. K. L. (Other), Vinggaard, A. M. (Other), Svingen, T. (Other), Hass, U. (Other), Boberg, J. (Other)
27 Apr 2015 → 30 Apr 2015
Activity: Talks and presentations › Conference presentations

Emerging Chemicals in food packaging - toxicological profiling of knowns and unknowns
Rosenmai, A. K. (Other), Linda Bengtström (Other), Barbara van Vught-Lussenburg (Other), Petersen, J. H. (Other), Taxvig, C. (Other), Svingen, T. (Other), Laurianne Lesnée (Other), Binderup, M. (Speaker), Dybdahl, M. (Other), Ramskov Tetzlaff, C. N. (Other), Bernard Jégou (Other), Trier, X. (Other), Vinggaard, A. M. (Speaker)
27 Apr 2015 → 30 Apr 2015
Activity: Talks and presentations › Conference presentations
Mixture effects of twenty-seven environmental contaminants given to rats at doses comparable to human exposure
Hadrup, N. (Other), Svingen, T. (Other), Karen Riber Mandrup (Other), Hanne Frederiksen (Other), Skov, K. (Other), Frandsen, H. L. (Other), Vinggaard, A. M. (Other)
27 Apr 2015 → 30 Apr 2015
Activity: Talks and presentations › Conference presentations

Member of the ESMRMB Nomination and Awards Committee (External organisation)
Hanson, L. G. (Participant)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

PhD Evaluation Committee Luleå University of Technology (External organisation)
Broberg, O. (Participant)
2012
Activity: Membership › Membership in review committee

Member of Programme Committee, ENERGIX, Research Council of Norway (External organisation)
Jørgensen, B. H. (Participant)
Sep 2012 → Sep 2016
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

PhD opponent Chalmers University of Technology, Sweden (External organisation)
Broberg, O. (External examiner)
2011
Activity: Examinations and supervision › External examination

Prizes:

Human Factors Engineering and Systems Design with Federal University of Río de Janeiro/COPPE: International Network Program
Ole Broberg (Recipient), Jun 2013
Prize: Prizes, scholarships, distinctions

IEA Fellow
Ole Broberg (Recipient), 2016
Prize: Prizes, scholarships, distinctions

Industrial PhD scholarship with Alectia Consulting: Integration of human factors knowledge into engineering design processes
Ole Broberg (Recipient), 2009
Prize: Prizes, scholarships, distinctions

Method for knowledge transfer from the operations phase of offshore units into design, planning, and optimization
Ole Broberg (Recipient), 2014
Prize: Prizes, scholarships, distinctions

Methods for employee participation in product innovation.
Ole Broberg (Recipient), 2014
Prize: Prizes, scholarships, distinctions

Nordic Ergonomics Society Great Prize
Ole Broberg (Recipient), 2004
Prize: Prizes, scholarships, distinctions
PhD Scholarship: Interactive simulation: A new means for promoting occupational health and safety in the hospital sector.
Ole Broberg (Recipient), 2013
Prize: Prizes, scholarships, distinctions

Promoting the occupational health services efforts in relation to technological changes in companies
Ole Broberg (Recipient), 2001
Prize: Prizes, scholarships, distinctions

Scholarship awarded by the H-STAR program
Ole Broberg (Recipient), 1 Sep 2009
Prize: Prizes, scholarships, distinctions

Workspace Design II: Development of a new dialogue-oriented design practice
Ole Broberg (Recipient), 2010
Prize: Prizes, scholarships, distinctions

Workspace Design I: User involvement and work life integration into technological and organizational change processes.
Ole Broberg (Recipient), 2005
Prize: Prizes, scholarships, distinctions

Press clippings:

Faldende sædkvalitet og stigende forekomst af kryptorkisme i hunde
Anne Marie Vinggaard
16/11/2017
1 item of media coverage
Press / Media

Effekterne af en fuldkornskost på sundhed og tarmbakterier
Tine Rask Licht
08/11/2017
1 item of media coverage
Press / Media

Effekterne af en fuldkornskost på sundhed og tarmbakterier
Tine Rask Licht
03/11/2017
1 item of media coverage
Press / Media

Effekterne af en fuldkornskost på sundhed og tarmbakterier
Tine Rask Licht
01/11/2017
1 item of media coverage
Press / Media

Sundhedsskadelige stoffer i fødevarekontaktmateriale
Anne Marie Vinggaard
19/09/2017
1 item of media coverage
Press / Media

Tarmbakterier og vægttab
Tine Rask Licht
12/09/2017
1 item of media coverage
Sundhedsskadelige stoffer i fødevarekontaktmateriale
Anne Marie Vinggaard
07/09/2017
1 item of media coverage

Tarmbakterier
Tine Rask Licht
06/09/2017
1 item of media coverage

Tarmbakterier og hjertesundhed
Tine Rask Licht
15/08/2017
1 item of media coverage

DTU Fødevareinstituttets studie af tarmbakterier og fedme
Tine Rask Licht
16/01/2017
1 media contribution

Tarmbakterier og kostomsætning
Tine Rask Licht
11/01/2017
1 media contribution

Kommenteret irsk studie om stress og bifidobakterier
Tine Rask Licht
11/01/2017
1 media contribution

Tarmbakterier og sundhed
Tine Rask Licht
21/12/2016
1 media contribution

Tarmbakterier, fedme, mus
Tine Rask Licht
15/12/2016
1 media contribution

Tarmbakterier, fedme, mus
Tine Rask Licht
07/12/2016
1 media contribution
Tarmbakteriers påvirkning af forbrændingen
Tine Rask Licht
30/11/2016
1 media contribution
Press / Media

Information om brug af fluorstoffer og deres toksicitet
Anne Marie Vinggaard
05/10/2016
1 media contribution
Press / Media

Tarmbakterier
Tine Rask Licht
12/09/2016
1 media contribution
Press / Media

24 spørgsmål til professoren
Tine Rask Licht
02/09/2016
1 media contribution
Press / Media

Cocktail effekter og fødevarekontaktkomponenter
Anne Marie Vinggaard
29/08/2016
1 media contribution
Press / Media

Transittidsstudiet
Tine Rask Licht
24/08/2016
1 media contribution
Press / Media

Kogebog med 'god mad til tarmens bakterier'
Tine Rask Licht
18/08/2016
1 media contribution
Press / Media

Mælkeseyrebakterier
Tine Rask Licht
04/08/2016
1 media contribution
Press / Media

Transittid
Tine Rask Licht
28/06/2016
1 media contribution
Transittid
Tine Rask Licht
27/06/2016
1 media contribution
Press / Media

Transittid
Tine Rask Licht
27/06/2016
1 media contribution
Press / Media

Transittid
Tine Rask Licht
27/06/2016
1 media contribution
Press / Media

Farmakonomen
Tine Rask Licht
02/05/2016
1 media contribution
Press / Media

bakteriesamfund
Tine Rask Licht
30/03/2016
1 media contribution
Press / Media

Nye undersøgelse vedr. Round Up og hjælpestoffers effekt på aromatase aktivitet
Anne Marie Vinggaard
03/03/2016
1 media contribution
Press / Media

Kost, tarmflora, småbørn
Tine Rask Licht
18/02/2016
1 media contribution
Press / Media

Smartphones and watches under the researcher's microscope
Julia Rosemary Thorpe
20/11/2015
1 media contribution
Press / Media

Tarmbakteriers betydning for sundheden
Tine Rask Licht
21/12/1800
1 media contribution
Press / Media