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Multilevel Flow Modeling of Monju Nuclear Power Plant

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A Goal based methodology for HAZOP analysis
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Publication: Research › Ph.D. thesis – Annual report year: 2010

Autonomous Supervision and Control of Parametric Roll Resonance
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Maintenance Free and Sustainable High-Level Control In Cement and Mining Industry
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Active Fault Diagnosis - A Stochastic Approach
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Publication: Research › Article in proceedings – Annual report year: 2009

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

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Publication: Research › Article in proceedings – Annual report year: 2009

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Fault Tolerant Software: a Multi Agent System Solution
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Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Future Challenges of the Danish Power System: Results of Ecogrid.dk - Phase 1
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Improving Oestrus Detection in Dairy Cows by Combining Statistical Detection with Fuzzy Logic Classification
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

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Luther, J. B. & Hendricks, E. Mar 2005
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Design of fault detectors using $\mathcal{H}_\infty$ optimization
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**Dynamic Model for Thrust Generation of Marine Propellers**
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**Knowledge Based Support for Situation Assessment in Human Supervisory Control**
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Publication: Research - peer-review › Article in proceedings – Annual report year: 2000

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Publication: Research › Article in proceedings – Annual report year: 1999

**Conceptual Design of Industrial Process Displays**
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Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

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Niemann, H. H., Søgaard-Andersen, P. & Stoustrup, J. 1993 In : Control-Theory And Advanced Technology. 9, 2, p. 547-564
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Publication: Research - peer-review › Article in proceedings – Annual report year: 1992
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An Analysis Of Pole/zero Cancellation In LTR-based Feedback Design
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Continuous Identification of a Four-Stroke SI Engine
Publication: Research - peer-review › Article in proceedings – Annual report year: 1990

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1989

New Results in Discrete-Time Loop Transfer Recovery
Publication: Research - peer-review › Article in proceedings – Annual report year: 1988

Stability Margins for Discrete-Time Optimal Regulators
Publication: Research - peer-review › Article in proceedings – Annual report year: 1988

The Impact of Analog and Bang-Bang Steering Gear Control on Ship's Fuel Economy
Publication: Research - peer-review › Article in proceedings – Annual report year: 1982

Electrical Resistivity Investigations on Metallic Rare-Earths
Publication: Research › Book chapter – Annual report year: 1980

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Publication: Research › Journal article – Annual report year: 1980

Projects:

Human Brain Project. Subproject 10 Neurorobotics Platform (HBP) - SGA2
Tolu, S., Capolei, M. C., Corchado Miralles, C. & Lund, H. H.
02/04/2018 → 01/04/2020
Project

Electronic Outlook
Blanke, M. & Hansen, S.
A Biomimetic Learning Control Scheme for control of Modular Robots
Tolu, S.
16/01/2017 → 14/01/2019
Project

Human Brain Project. Subproject 10 Neurorobotics Platform - SGA1
Tolu, S., Lund, H. H., Capolei, M. C. & Corchado Miralles, C.
01/04/2016 → 01/04/2018
Project

Reconfigurable Modular Robotic System for Aquatic Environment
Galeazzi, R., Christensen, D. J., Mariani, P., Visser, A., Özkil, A. G. & Nielsen, U. D.
01/02/2016 → 31/01/2018
Project

ERIGrid: European Research Infrastructure supporting Smart Grid Systems Technology Development, Validation and Roll Out
Kosek, A. M., Gehrke, O., Bondy, D. E. M., Bindner, H. W. & Heussen, K.
01/11/2015 → 30/04/2020
Project

Use of Multilevel Flow Modelling for on-line supervision in the oil and gas industry
Ravn, O., Lind, M. & Zhang, X.
01/05/2015 → 01/09/2015
Project

Dynamic Propeller Shaft Speed Control
Galeazzi, R. & Andersen, P.
01/04/2015 → 01/05/2017
Project

Intelligent Quality Assessment of Railway Switches and Crossings
01/03/2015 → 28/02/2019
Project

Fault-Tolerant Control with Coarse Models in industrial Application
Papageorgiou, D., Blanke, M. & Niemann, H. H.
15/08/2014 → 15/08/2017
Project

SALVAGE: Cyber-physICAI security for Low-VolTAGE grids
Kosek, A. M., Gehrke, O., Heussen, K. & Prostejovsky, A. M.
01/04/2014 → 01/04/2017
Project

Kunstig intelligence og sprogudvikling
Jessen, J. D.
01/02/2014 → 30/11/2014
Project
European Liaison on Electricity grid Committed Towards long-term Research Activities
01/12/2013 → 28/02/2018
Project

Play for Children with Disabilities
Jessen, J. D.
19/05/2013 → 18/05/2018
Project

RTLabOS: Phase I - Exploring software infrastructure for smart grid labs
01/04/2013 → 20/12/2014
Project

Optimal sizing and control of balancing power in the future European system considering transmission system constraints
Andersson, G., Østergaard, J. & Heussen, K.
01/09/2012 → 01/09/2015
Project

Innovation consortium Real time Controlled Robots for the Meat Industry
Ravn, O., Andersen, T. T., Andersen, N. A. & Wu, H.
01/05/2012 → 30/04/2016
Project

Secure Operation of Sustainable Power Systems
01/01/2012 → 31/03/2016
Project

Activities:

Automation and Control (Organisational unit)
Blanke, M. (Chairman)
15 Sep 2018 → 15 Oct 2018
Activity: Membership › Membership in review committee

International Symposion on Future I&C for Nuclear Power Plants
Kirchhübel, D. (Speaker)
26 Nov 2017 → 29 Nov 2017
Activity: Talks and presentations › Conference presentations

A Scalable Neuro-inspired Robot Controller Integrating a Machine Learning Algorithm and a Spiking Cerebellar-Like Network
Tolu, S. (Speaker), Lund, H. H. (Other)
28 Jul 2017
Activity: Talks and presentations › Conference presentations

Department of Mechanical Engineering (Organisational unit)
Blanke, M. (Chairman)
1 Jul 2017 → 26 Sep 2017
Activity: Membership › Membership in review committee

Linköping University (External organisation)
Blanke, M. (Member)
1 Feb 2017 → 8 Mar 2017
Activity: Membership › Membership in review committee

13th European Workshop on Advanced Control and Diagnosis
Kirchhübel, D. (Speaker)
19 Nov 2016
Activity: Talks and presentations › Conference presentations

Professorship evaluation (External organisation)
Blanke, M. (Participant)
15 Oct 2016 → 15 Dec 2016
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

5th Neuro Robotics Performance Show
Tolu, S. (Participant)
17 Feb 2016 → 19 Feb 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

3rd HBP Education Programme
Tolu, S. (Participant)
11 Jan 2016 → 15 Jan 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Member of DTU Academic Council (External organisation)
Ravn, O. (Participant)
2015 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Dynamic Modeling, Advanced Control, Diagnosis and Optimization of Large-Scale Lignocellulosic Biorefineries
Prunescu, R. M. (Speaker)
11 Nov 2015
Activity: Talks and presentations › Conference presentations

Plantwide Model-Based Optimization of a Large Scale Second Generation Biorefinery
Prunescu, R. M. (Speaker)
10 Nov 2015
Activity: Talks and presentations › Conference presentations

International Journal of Adaptive Control and Signal Processing (Journal)
Blanke, M. (Reviewer)
1 Oct 2015 → 1 May 2017
Activity: Research › Journal editor

EuroAsianPacific Joint Conference on Cognitive Science
Tolu, S. (Speaker)
25 Sep 2015 → 27 Sep 2015
Activity: Talks and presentations › Conference presentations

2015 IEEE Multi-Conference on Systems and Control
Papageorgiou, D. (Participant)
23 Sep 2015
Activity: Attending an event › Participating in or organising a conference

10th IFAC Conference on Manoeuvring and Control of Marine Craft
Blanke, M. (Organizer)
24 Aug 2015
Dynamic Modeling and Optimization of Large Scale Lignocellulosic Biorefineries
Prunescu, R. M. (Invited speaker)
18 Aug 2015
Activity: Talks and presentations » Conference presentations

Field Robot Event 2015
Ravn, O. (Participant)
15 Jun 2015 → 18 Jun 2015
Activity: Attending an event » Participating in or organising workshops, courses, seminars etc.

DÄu Konference: Den 4. Industrilie Revolution
Ravn, O. (Organizer)
10 Jun 2015
Activity: Attending an event » Participating in or organising a conference

In committee for PhD thesis evaluation at Linköping University, Sweden (External organisation)
Blanke, M. (Participant)
22 May 2015
Activity: Membership » Membership in review committee

Professorship Evaluation for NTNU - International Chair (External organisation)
Blanke, M. (Participant)
1 May 2015 → 30 Jun 2015
Activity: Membership » Membership in review committee

Kompetenceudviklingsdage
Ravn, O. (Speaker)
21 Apr 2015
Activity: Other

Control of Drones
Hansen, S. (Lecturer)
11 Mar 2015
Activity: Talks and presentations » Conference presentations

Evaluation for University of Cambridge (External organisation)
Blanke, M. (Participant)
25 Jan 2015 → 6 Feb 2015
Activity: Membership » Membership in review committee

IFAC Technical Committee on Marine Systems (External organisation)
Blanke, M. (Participant)
2014 → 2017
Activity: Membership » Membership of committees, commissions, boards, councils, associations, organisations, or similar

PhD Thesis Jury Member at Universitat Politecnica de Catalunya (External organisation)
Tabatabaeipour, M. (Participant)
2014
Activity: Membership » Membership of committees, commissions, boards, councils, associations, organisations, or similar

University of Bordeaux (External organisation)
Blanke, M. (Participant)
19 Nov 2014
Activity: Membership » Membership in review committee
2014 AIChE Annual Meeting: American Institute of Chemical Engineers
Prunescu, R. M. (Speaker)
17 Nov 2014 → 21 Nov 2014
Activity: Talks and presentations › Conference presentations

Dynamic Simulation, Sensitivity and Uncertainty Analysis of a Demonstration Scale Lignocellulosic Enzymatic Hydrolysis Process
Prunescu, R. M. (Speaker)
16 Nov 2014 → 21 Nov 2014
Activity: Talks and presentations › Conference presentations

Model-Based Filtering of Large-Scale Datasets - A Biorefinery Application
Prunescu, R. M. (Speaker)
16 Nov 2014 → 21 Nov 2014
Activity: Talks and presentations › Conference presentations

Aarhus University (External organisation)
Blanke, M. (Participant)
12 Nov 2014
Activity: Membership › Membership in review committee

University of Cambridge (External organisation)
Blanke, M. (Participant)
3 Nov 2014
Activity: Membership › Membership in review committee

Linköping University (External organisation)
Blanke, M. (Participant)
25 Apr 2014
Activity: Membership › Membership in review committee

Referee, Professor in Robotics at Queensland University of Technology (External organisation)
Blanke, M. (Participant)
28 Jan 2014 → 10 Feb 2014
Activity: Membership › Membership in review committee

Drones on Autopilot
Hansen, S. (Lecturer)
14 Jan 2014
Activity: Talks and presentations › Conference presentations

International Journal of Adaptive Control and Signal Processing (Journal)
Blanke, M. (Editor)
1 Jan 2014 → 1 May 2015
Activity: Research › Journal editor

52nd IEEE Conference on Decision and Control (CDC 2013)
Prunescu, R. M. (Speaker)
10 Dec 2013 → 13 Dec 2013
Activity: Talks and presentations › Conference presentations

Biofuel Session
Prunescu, R. M. (Speaker)
18 Aug 2013 → 23 Aug 2013
Activity: Talks and presentations › Conference presentations
2013 American Control Conference
Prunescu, R. M. (Speaker)
17 Jun 2013 → 19 Jun 2013
Activity: Talks and presentations › Conference presentations

10th IEEE International Conference on Control & Automation
Ravn, O. (Speaker)
12 Jun 2013 → 14 Jun 2013
Activity: Talks and presentations › Conference presentations

Danvak Dagen 2013
Hovgaard, T. G. (Invited speaker)
10 Apr 2013
Activity: Talks and presentations › Conference presentations

DTU RoboCup 2013
Ravn, O. (Organizer)
9 Apr 2013 → 11 Apr 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

European Robotic Forum 2013
Ravn, O. (Speaker)
19 Mar 2013 → 21 Mar 2013
Activity: Talks and presentations › Conference presentations

37th Enlarged Halden Programme Group Meeting
Zhang, X. (Speaker)
10 Mar 2013 → 15 Mar 2013
Activity: Talks and presentations › Conference presentations

10th European Workshop on Advanced Control and Diagnosis
Ravn, O. (Participant)
8 Nov 2012 → 9 Nov 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

10th European Workshop on Advanced Control and Diagnosis
Prunescu, R. M. (Speaker)
8 Nov 2012 → 9 Nov 2012
Activity: Talks and presentations › Conference presentations

International Workshop on Functional Modelling
Ravn, O. (Participant)
6 Nov 2012 → 7 Nov 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Workshop on Functional Modelling
Zhang, X. (Speaker)
6 Nov 2012 → 7 Nov 2012
Activity: Talks and presentations › Conference presentations

8th HOLMUG meeting
Ravn, O. (Participant)
18 Oct 2012 → 19 Oct 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
8th HOLMUG meeting
Zhang, X. (Speaker)
18 Oct 2012 → 19 Oct 2012
Activity: Talks and presentations › Conference presentations

Aalborg University (External organisation)
Blanke, M. (Participant)
5 Oct 2012 → 18 Dec 2012
Activity: Membership › Membership in review committee

Modelling and Control of Stiff Robots for Flexible Manufacturing (External organisation)
Ravn, O. (Participant)
7 Sep 2012
Activity: Membership › Membership in review committee

1st International Symposium on Socially and Technically Symbiotic Systems
Zhang, X. (Speaker)
29 Aug 2012 → 31 Aug 2012
Activity: Talks and presentations › Conference presentations

16th IFAC Symposium on System Identification
Ravn, O. (Invited speaker)
11 Jul 2012 → 13 Jul 2012
Activity: Talks and presentations › Conference presentations

Linköping University (External organisation)
Blanke, M. (Participant)
15 Jun 2012
Activity: Membership › Membership in review committee

Aalborg University (External organisation)
Blanke, M. (Participant)
21 Mar 2012
Activity: Membership › Membership in review committee

DTU RoboCup 2012
Ravn, O. (Organizer)
20 Mar 2012 → 22 Mar 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

European Robotic Forum 2012
Ravn, O. (Speaker)
5 Mar 2012 → 7 Mar 2012
Activity: Talks and presentations › Conference presentations

5th International Conference on Cognitive Systems
Ravn, O. (Participant)
22 Feb 2012 → 23 Feb 2012
Activity: Attending an event › Participating in or organising a conference

17th Nordic Process Control Workshop
Prunescu, R. M. (Speaker)
25 Jan 2012 → 27 Jan 2012
Activity: Talks and presentations › Conference presentations
Innovation Network RoboCluster (External organisation)
Ravn, O. (Chairman)
1 Jan 2012 → 31 Dec 2012
Activity: Membership › Membership of research networks or expert groups

Member IFAC Technical Committee on Marine Systems (External organisation)
Blanke, M. (Participant)
2011 → 2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Teaching Evaluation Exercise at Aalto University (External organisation)
Ravn, O. (Chairman)
2011 → …
Activity: Membership › Membership in review committee

Linköping University (External organisation)
Blanke, M. (Participant)
28 Dec 2011 → 1 Mar 2012
Activity: Membership › Membership in review committee

2011 American Control Conference
Ravn, O. (Speaker)
29 Jun 2011 → 1 Jul 2011
Activity: Talks and presentations › Conference presentations

DTU RoboCup 2011
Ravn, O. (Organizer)
22 Mar 2011 → 24 Mar 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

The Industrial PhD Programme Committee (External organisation)
Ravn, O. (Participant)
1 Jan 2009 → 31 Dec 2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

International Conference On Cognitive Systems
Tolu, S. (Participant)
2008
Activity: Attending an event › Participating in or organising a conference

Member of the board of DIRA, Danish Industrial Robot Association (External organisation)
Ravn, O. (Participant)
2008 → 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Control Engineering Practice (Journal)
Blanke, M. (Reviewer)
Oct 2008 → …
Activity: Research › Journal editor

Seventh International Workshop on Information Processing in Cells and Tissues
Tolu, S. (Speaker)
2007
Activity: Talks and presentations › Conference presentations
I E E E Transactions on Aerospace and Electronic Systems (Journal)
Blanke, M. (Editor)
Oct 2007 → Dec 2016
Activity: Research › Journal editor

International Work Conference on Artificial Neural Networks
Tolu, S. (Speaker)
Jun 2007
Activity: Talks and presentations › Conference presentations

Member of DTU Academic Council (External organisation)
Ravn, O. (Participant)
2005 → 2011
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Prizes:

Best Student Paper Award
Emil Krabbe Nielsen (Recipient), 29 Nov 2017
Prize: Prizes, scholarships, distinctions

Press clippings:

New Universal Robots Driver Makes Manipulation Research Easier
Thomas Timm Andersen
09/02/2016
1 media contribution
Press / Media

Go morgen P3
Ole Ravn
24/06/2015
1 media contribution
Press / Media

Tag iPad’en med hjem
Jari Due Jessen
23/04/2015
1 media contribution
Press / Media

Go morgen P3
Ole Ravn
28/10/2014
1 media contribution
Press / Media

DR2 Morgen
Ole Ravn
24/10/2014
P1 Morgen
Ole Ravn
24/10/2014
1 media contribution
Press / Media

Børn koder robotter: Coding Pirates
Jari Due Jessen
20/03/2014
1 media contribution
Press / Media

Derfor er det smart at dreje batterierne i fjernbetjeningen
Ole Ravn
16/01/2014
1 media contribution
Press / Media

DR2 Dagen
Ole Ravn
18/12/2013
1 media contribution
Press / Media

Automatiske dræber-robotter møder kritik
Ole Ravn
31/05/2013
1 media contribution
Press / Media

Aftenshowet
Ole Ravn
11/04/2013
1 media contribution
Press / Media