Research outputs:

On-line Fault Diagnosis of Produced Water Treatment with Multilevel Flow Modeling
Research output: Research - peer-review › Journal article – Annual report year: 2018

Autonomous 3d model generation of unknown objects for dual-manipulator humanoid robots
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Force-based perception and manipulation, the DTU team competing in MBZIRC 2017
Research output: Research - peer-review › Journal article – Annual report year: 2018

Application of visual servoing for grasping and placing operation in slaughterhouse
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Door and cabinet recognition using convolutional neural nets and real-time method fusion for handle detection and grasping
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Generalized framework for the parallel semantic segmentation of multiple objects and posterior manipulation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Identifying Causality from Alarm Observations
Research output: Research - peer-review › Paper – Annual report year: 2017

On-the-go throughput prediction in a combine harvester using sensor fusion
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Positioning the laparoscopic camera with industrial robot arm
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017
Representing Operational Modes for Situation Awareness
Research output: Research - peer-review › Conference article – Annual report year: 2017

A Framework for Semi-Automated Generation of a Virtual Combine Harvester
Research output: Research - peer-review › Conference article – Annual report year: 2017

MPC control of water supply networks
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Visual Servoing for Object Manipulation: A Case Study in Slaughterhouse
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Assessing Operational Situations
Research output: Research › Ph.D. thesis – Annual report year: 2015

Design of multilevel flow modelling-based decision support system by using multiagent platform
Research output: Research - peer-review › Journal article – Annual report year: 2015

Experiences from developing a new course in mechatronics
Hansen, S. & Ravn, O. 2015 Proceedings of 16th International Conference on research and Education in Mechatronics. IEEE, p. 135-138
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

General model and control of an n rotor helicopter
Research output: Research - peer-review › Conference article – Annual report year: 2015

Measuring and Modelling Delays in Robot Manipulators for Temporally Precise Control using Machine Learning.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Sensor based real-time control of robots
Andersen, T. T., Ravn, O. & Andersen, N. A. 2015 Technical University of Denmark, Department of Electrical Engineering. 162 p.

Calibration between a Laser Range Scanner and an Industrial Robot Manipulator
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Generic trajectory representation and trajectory following for wheeled robots
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014
Multilayer controller for field robots - High portability and modularity to ease implementation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Ping-Pong Robotics with High-Speed Vision System
Research output: Research - peer-review › Paper – Annual report year: 2012

Situation Assessment for Mobile Robots
Research output: Research › Ph.D. thesis – Annual report year: 2013

Differential evolution to enhance localization of mobile robots
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Orchard navigation using derivative free Kalman filtering
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Pre-Trained Neural Networks used for Non-Linear State Estimation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Spacio-temporal situation assessment for mobile robots
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Towards Competitive Commercial Autonomous Robots: The Configuration Problem
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

A Course Programme in Mobile Robotics with Integrated Hands-on Exercises and Competitions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Autonomous Rule Based Robot Navigation In Orchards
Andersen, J. C., Ravn, O. & Andersen, N. A. 2010 IAV 2010. International Federation of Automatic Control
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Derivative free filtering using Kalmtool
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Derivative free Kalman filtering used for orchard navigation
Hansen, S., Bayramoglu, E., Andersen, J. C., Ravn, O., Andersen, N. A. & Poulsen, N. K. 2010 Derivative free Kalman filtering used for orchard navigation.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010
Maintenance of Process Control Algorithms based on Dynamic Program Slicing
Research output: Research - peer-review > Article in proceedings – Annual report year: 2010

Mobotware – A Plug-in Based Framework For Mobile Robots
Research output: Research - peer-review > Article in proceedings – Annual report year: 2010

Non-Linear State Estimation Using Pre-Trained Neural Networks
Research output: Research - peer-review > Article in proceedings – Annual report year: 2010

Visual Navigation for Mobile Robots
Research output: Research - peer-review > Book chapter – Annual report year: 2010

Comparing mobile robot localisation algorithms using Kalmtool
Research output: Research - peer-review > Article in proceedings – Annual report year: 2009

Kalmtool used for laser scanner aided navigation in orchard
Research output: Research - peer-review > Article in proceedings – Annual report year: 2009

Landbrugsrobotter på vej
Jørgensen, S. B. (ed.) & Ravn, O. 2009 In : *FoodDTU Midt i Ugen. 104*
Research output: Communication > Journal article – Annual report year: 2009

Mission Management for Mobile Robots
Beck, A. B., Andersen, N. A. & Ravn, O. 2009
Research output: Research - peer-review > Conference abstract for conference – Annual report year: 2009

Mobile Robot Navigation in a Corridor Using Visual Odometry
Research output: Research - peer-review > Article in proceedings – Annual report year: 2009

Safe and Reliable - Further Development of a Field Robot
Research output: Research - peer-review > Article in proceedings – Annual report year: 2009

Towards a modern concept for teaching control engineering
Research output: Research - peer-review > Article in proceedings – Annual report year: 2009
Assisted Monitoring and Maintenance of Control Systems
Hansen, O. F., Andersen, N. A. & Ravn, O. 2008 Proceedings of 17th IFAC World Congress. Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Kalmtool Used for Mobile Robot Navigation

Vision Assisted Laser Scanner Navigation for Autonomous Robots

Using Kalmtool in Navigation of Mobile Robots

Analysis and Design Environment for Flexible Manipulators

A Simulation Platform for Localization and Mapping

Multilayer Controller for Outdoor Vehicle

Traversable terrain classification for outdoor autonomous robots using single 2D laser scans

A new evaluation platform for Navigation systems
Sejerøe, T. H., Poulsen, N. K. & Ravn, O. 2005 Proceedings of 16th IFAC World Congress. Elsevier Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Autonomous Robot Navigation In Public Nature Park

Exploration and Search with Cooperative Mobile Robots

Pay-load Estimation of a 2 DOF Flexible Link Robot
Poulsen, N. K. & Ravn, O. 2005 8th Internation Conference on Climbing and Walking Robots. Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Pay-Load Estimation of a 2DOF Flexible Link Robot
Poulsen, N. K. & Ravn, O. 2005 CLAWAR. Research output: Research - peer-review › Article in proceedings – Annual report year: 2005
Simultaneous Location and Mapping - A Simulation Platform
Sejerøe, T. H., Ravn, O. & Poulsen, N. K. 2005
Research output: Research - peer-review › Report – Annual report year: 2005

Terrain Classification for Outdoor Autonomous Robots using 2D Laser Scans.: Robot perception for dirt road navigation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

SMR-CL, A Real-time Control Language for Mobile Robots
Andersen, N. A. & Ravn, O. 2004 2004 CIGR International Conference. Beijing, China
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Trinocular Stereo Vision for Intelligent Robot Navigation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

KALMTOOL for use with MATLAB
Nørgaard, P. M., Ravn, O. & Poulsen, N. K. 2003 13th IFAC Symposium on System Identification SYSID03.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Delta-operator techniques for pay-load estimation of a 2DOF flexible link robot
Research output: Research - peer-review › Report – Annual report year: 2002

NNSYSID - toolbox for system identification with neural networks
Nørgaard, M., Ravn, O. & Poulsen, N. K. 2002 In : Mathematical and computer modelling of dynamical systems. 8, 1, p. 1-20
Research output: Research - peer-review › Journal article – Annual report year: 2002

Control of an under activated unstable nonlinear object
Research output: Research - peer-review › Journal article – Annual report year: 2001

NNSYSID and NNCTRL Tools for system identification and control with neural networks
Nørgaard, M., Ravn, O. & Poulsen, N. K. 2001 In : Computing & control engineering journal. 12, 1, p. 29-36
Research output: Research - peer-review › Journal article – Annual report year: 2001

Path following mobile robot in the presence of velocity constraints
Bak, M., Poulsen, N. K. & Ravn, O. 2001
Research output: Research › Report – Annual report year: 2001

Pay-load estimation of a 2DOF flexible link robot using a delta-operator technique
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Receding Horizon Approach to Path Following Mobile Robot in Presence of Velocity Constraints
Research output: Research - peer-review › Journal article – Annual report year: 2001
Receding Horizon Approach to Path Following Mobile Robot in the Presence of Constraints.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

A Framework for Real-Time Embedded PC Programming
Research output: Research - peer-review › Article in proceedings – Annual report year: 2000

Control of an under actuated unstable nonlinear object
Andersen, N. A., Skovgaard, L. & Ravn, O. 2000 Proceeding of the 7th International Symposium on Experimental Robotics ISER'00. Springer
Research output: Research - peer-review › Article in proceedings – Annual report year: 2000

Neural Networks for Modelling and Control of Dynamic Systems - A Practitioner's Handbook
Research output: Research - peer-review › Book – Annual report year: 2000

New developments in state estimation for Nonlinear Systems
Research output: Research - peer-review › Journal article – Annual report year: 2000

On-line System Identification and Adaptive Control using the Adaptive Blockset
Research output: Research - peer-review › Article in proceedings – Annual report year: 2000

Using DIS for linking simulation and animation in Simulink and VRML
Research output: Research - peer-review › Article in proceedings – Annual report year: 2000

A new Approach for Kalman filtering on Mobile Robots in the presence of uncertainties
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Auto-calibration of Systematic Odometry Errors in Mobile Robots
Research output: Research - peer-review › Book chapter – Annual report year: 1999

Design of Kalman filters for mobile robots: Evaluation of the kinematic and odometric approach
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Easy and Accurate State Estimation for Nonlinear Systems
Nargård, M., Poulsen, N. K. & Ravn, O. 1999 14'th IFAC World Congress, Beijing, China. p. 343-348
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Implementation of neural network based non-linear predictive control
Research output: Research - peer-review › Journal article – Annual report year: 1999

Simulation and Animation in Simulink and VRML
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999
Using the adaptive blockset for simulation and rapid prototyping
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Advances In Derivative-Free State Estimation for Nonlinear Systems
Nørgaard, M., Poulsen, N. K. & Ravn, O. 1998 Informatics and Mathematical Modelling, Technical University of Denmark, DTU.
Research output: Research - peer-review › Report – Annual report year: 1998

A Note on the C-implementation of a New Procedure for Guide Mark based Pose Estimation
Research output: Research - peer-review › Report – Annual report year: 1998

Experimental Autonomous Vehicle Systems: Requirements and a prototype architecture
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Implementation of neural network based non-linear predictive
Sørensen, P. H., Nørgård, P. M., Ravn, O. & Poulsen, N. K. 1998 Proc. of the 4th International Conference on Neural Network and Their Applications (NEURAP98). Marseilles, France, p. 69-78
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Incorporation of Time Delayed Measurements in a Discrete-time Kalman Filter
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Location Estimation for an Autonomously Guided Vehicle using an Augmented Kalman Filter to Autocalibrate the Odometry
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Location Estimation using Delayed Measurements
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Neural Generalized Predictive Control of a non-linear Process
Sørensen, P. H., Nørgård, P. M., Ravn, O. & Poulsen, N. K. 1998 Proceedings of the SCI' 98. florida
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Sensor management for identity fusion on a mobile robot
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Simulation and Rapid Prototyping of Adaptive Control Systems using the Adaptive Blockset for Simulink
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

A Client/Server Based Approach for Development of Control Systems
Lildballe, J., Ravn, O. & Andersen, N. A. 1997
Research output: Research - peer-review › Report – Annual report year: 1997
Adaptive Systemer: en kort introduktion
Ravn, O. 1997
Research output: Research - peer-review › Report – Annual report year: 1997

Autonomous Guided Vehicle - Modelling
Nørgaard, M., Poulsen, N. K. & Ravn, O. 1997 Department of Mathematical Modelling, Technical University of Denmark.
21 p.
Research output: Research - peer-review › Report – Annual report year: 1997

Autonomous Guided Vehicle - Sensor analysis
Nørgaard, M., Poulsen, N. K. & Ravn, O. 1997 Department of Mathematical Modelling, Technical University of Denmark.
41 p.
Research output: Research - peer-review › Report – Annual report year: 1997

Autonomous Vehicle Interaction with In-door Environments
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

Computer aided control engineering: current approaches to design methodologies
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

Modelling and calibration with mechatronic blockset for Simulink
Ravn, O. & Szymkat, M. 1997 Modelling and calibration with mechatronic blockset for Simulink.
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

NNSYSID and NNCTRL - Matlab Tools for System Identification and Control with Neural Networks
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

Robot Control for Dynamic Environment Using Vision and Autocalibration
Research output: Research - peer-review › Report – Annual report year: 1997

Intelligent Predictive Control of Nonlinear Processes Using
Research output: Research - peer-review › Article in proceedings – Annual report year: 1996

Mechatronic blockset for Simulink-concept and implementation
Research output: Research - peer-review › Article in proceedings – Annual report year: 1996

NNCTRL - a CANCSD toolkit for MATLAB(R)
Research output: Research - peer-review › Article in proceedings – Annual report year: 1996

The NNSYSID Toolbox - A MATLAB Toolbox for System Identification with Neural Networks
Research output: Research - peer-review › Article in proceedings – Annual report year: 1996
Augmented models for improving vision control of a mobile robot
Research output: Research - peer-review › Article in proceedings – Annual report year: 1994

Implementational issues in CACSD
Research output: Research - peer-review › Article in proceedings – Annual report year: 1994

ML-estimation for Delta Based State Space Models
Research output: Research - peer-review › Article in proceedings – Annual report year: 1994

Pay-Load Estimation of a Flexible Robot
Research output: Research - peer-review › Report – Annual report year: 1994

Quadratic Controllers Based on Long Range Prediction
Research output: Research - peer-review › Report – Annual report year: 1994

Requirements for user interaction support in future CACE environments
Research output: Research - peer-review › Article in proceedings – Annual report year: 1994

Spectral factorization using the delta operator
Research output: Research - peer-review › Journal article – Annual report year: 1994

Udvikling af on-line gaschromatografisk målesystem til bestemmelse af VFA
Research output: Research - peer-review › Report – Annual report year: 1994

A rapprochement Between Discrete-time operators
Research output: Research - peer-review › Article in proceedings – Annual report year: 1993

General predictive control using the delta operator
Research output: Research - peer-review › Article in proceedings – Annual report year: 1993

General Predictive Control Using the Delta Operator
Research output: Research - peer-review › Report – Annual report year: 1993

Modelling of a One Degree of Freedom Flexible Link
Model reference adaptive control and adaptive stability augmentation
Research output: Research - peer-review › Article in proceedings – Annual report year: 1992

Stochastic Modelling and adaptive LQG control of a ship
Jensen, M. R., Poulsen, N. K., Thygesen, B. G. & Ravn, O. 1993 *12th IFAC World Congress, Sydney, Australia*. p. 397-400
Research output: Research - peer-review › Article in proceedings – Annual report year: 1993

A rapprochement Between Discrete-time operators
Research output: Research - peer-review › Report – Annual report year: 1992

Spectral factorization using the delta operator
Research output: Research - peer-review › Report – Annual report year: 1992

The evolution of CACSD tools-a software engineering perspective
Research output: Research - peer-review › Article in proceedings – Annual report year: 1992

Real-time adaptive control using CPAS on a MC68010-based process computer
Research output: Research - peer-review › Article in proceedings – Annual report year: 1991

A PID autotuner utilizing GPC and constraint optimization
Research output: Research - peer-review › Article in proceedings – Annual report year: 1990

On user-friendly interface construction for CACSD packages
Research output: Research - peer-review › Article in proceedings – Annual report year: 1989

On flexible CAD of adaptive control and identification algorithms
Research output: Research - peer-review › Article in proceedings – Annual report year: 1988

Projects:

Counteraction planning based on Multilevel Flow Modelling
Reinartz, C. C., Ravn, O. & Lind, M.
Eksternt finansieret virksomhed
01/07/2018 → 30/06/2021
Project: PhD

Realtidskontrol af ikke-lineære systemer
Vesterholm, T., Ravn, O., Hendricks, E., Houbak, N. & Sorenson, S. C.
samarbejdsaftal-finans.
01/04/1992 → 25/08/1995
Functional Modeling of water treatment system
Nielsen, E. K., Ravn, O., Lind, M. & Sin, G.
Eksternt finansieret virksomhed
01/10/2016 → 30/09/2019
Project: PhD

Modulær Platform til Kommercielle Mobile Robotter
ErhvervsPhD-ordningen VTU
01/05/2010 → 26/11/2013
Project: PhD

Regulering af systemer med begrænsninger
Bak, M., Ravn, O., Poulsen, N. K., Jannerup, O. E., Rasmussen, H. & Raymond, H.
DTU-Su Stipendium, Eksperiment
01/09/1997 → 18/04/2001
Project: PhD

Combining functional modeling and reasoning with on-line event analytics
Kirchhübel, D., Ravn, O. & Lind, M.
Eksternt finansieret virksomhed
01/09/2016 → 19/12/2019
Project: PhD

Managing Complex Systems and Applications fusing methods from AI and Control and Signal Processing
Maurin, A. L., Ravn, O., Andersen, N. A. & Kim, J.
Institut stipendie (DTU)
15/12/2015 → 14/12/2018
Project: PhD

Optimisation of Combine Harvesters Yield Using Model-Based Control
Industrial PhD
01/12/2014 → 15/08/2018
Project: PhD

Situation Assessment for Mobile Robots
ErhvervsPhD-ordningen VTU
01/07/2009 → 21/06/2013
Project: PhD

Active performance assessment and system monitoring for refrigeration systems
ErhvervsPhD-ordningen VTU
01/12/2008 → 27/09/2012
Project: PhD

Maintenance Free and Sustainable High-Level Control in Cement and Mining Industry
Hansen, O. F., Andersen, N. A., Ravn, O., Recke, B., Lind, M., Andersen, K. H. & Gustavsson, R.
ErhvervsPhD-ordningen VTU
01/10/2005 → 26/08/2009
Project: PhD
Design of Adaptive Systems
Ravn, O., Andersen, K. & Velund, A.
Gammel ordning u/skema-SU
01/09/1984 → 12/06/1996
Project: PhD

Menneske-maskine samarbejde i distribuerede automatiseringssystemer
Olsen, M. H., Lind, M., Ravn, O., Rose, M., Blanke, M., Andersen, P. B., Johnsen, T. & Andersen, P. B.
DTU, Samfinansiering
01/07/2003 → 30/03/2007
Project: PhD

Distribueret styring af autonome systemer
Lildballe (fratrådt), J., Ravn, O., Perram-John, W., Sørensen, P. H. & Sørensen, A. T.
DTU, Su Stipendium, Eksperiment
01/02/1996 → 08/09/1999
Project: PhD

Mechatronic approach in design and modelling of robotic manipulators
Baungaard, J. R., Ravn, O., Poulsen, N. K., Abildgaard, O. & Jannerup, O. E.
DTU-Su Stipendium, Eksperiment
01/02/1993 → 04/09/1996
Project: PhD

Avancerede metoder i adaptiv regulering
Nørgård, P. M., Ravn, O., Hansen, L. K., Poulsen, N. K., Jantzen, J. & Wagner, C. H.
DTU, Su Stipendium, Eksperiment
01/02/1993 → 20/09/1996
Project: PhD

Styring af hurtige flexible robotter
Nielsen, H. S., Sørensen, P. H., Ravn, O., Jannerup, O. E., Holm, H. & Siciliano, B.
DTU-lønnet stipendie
01/01/1998 → 29/08/2001
Project: PhD

Simulering og kontrol af ikke-holomone mekaniske systemer
Nordkvist, N., Hjorth, P. G., Bullo, F., Ravn, O., Stramigioli, S. & Wisniewski, R.
DTU-lønnet stipendie
01/09/2004 → 17/01/2008
Project: PhD

Navigationssystemer til mobile robotter
Andersen, J. C., Ravn, O., Andersen, N. A., Poulsen, N. K., Christensen, H. I. & Henrikson, L.
DTU-lønnet stipendie
15/03/2003 → 02/01/2007
Project: PhD

New AI and Its Application in Hospital Service Robotics
Erhvervss PhD-ordningen VTU
15/02/2008 → 31/08/2011
Project: PhD

Consequence Reasoning in Multilevel Flow Modeling and Its Application
Zhang, X., Ravn, O., Lind, M., Niemann, H. H., Cameron, I., Gofuku, A. & Gofuku, A.
Institut stipendie (DTU) Samf.
01/03/2012 → 18/06/2015
**Project: PhD**

**Sensorbaseret realtidsstyring af robotter**
Andersen, T. T., Ravn, O., Andersen, N. A., Christensen, D. J., Nielsen, K., Robertsson, A. R. K., Nielsen, K. & Robertsson, A. R. K.
Institut stipendie (DTU) Samf.
01/12/2012 → 15/06/2016
Project: PhD

**AlarmTracker: 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: Research

**RealRobot: 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: Research

**Dynamic control of robotic manipulators - mechatronics approach**
Ravn, O., Szymkat, M., Uhl, T. & Betemps, M.
Ukendt
01/04/1994 → 31/03/1996
Project: Research

**IMCIA Intelligent Motion Control & Intelligent Actuators.**
Ukendt
29/10/1992 → 31/12/1997
Project: Research

**Computer Aided Control System Design (CACSD)**
Ravn, O., Jannerup, O. E. & Nørgård, P. M.
01/01/1988 → 01/01/1998
Project: Research

**Adaptive control of a cutting process.**
Poulsen, N. K., Nørgård, P. M., Ravn, O. & Bäckström, M.
05/12/1996 → 05/12/1997
Project: Research

**Adaptive Control**
Ravn, O. & Nørgård, P. M.
01/01/1983 → 01/01/1993
Project: Research

**Decoupled visual control for robots based on structured light and weld seam tracking**
Fan, Z., Li, Y., Ravn, O. & Aanæs, H.
Forsk. Private danske - Fonde
10/03/2010 → 10/03/2011
Project: Research

**Design Guidelines for Mobile Autonomous Vehicle**
Ravn, O., Andersen, N. A., Braithwaite, I. D. & Bak, M.
01/01/1999 → 01/01/2002
Project: Research
Real-Time Programming for Automatic Control and Autonomous Systems
Andersen, N. A., Ravn, O. & Braithwaite, I. D.
01/03/1999 → 28/02/2002
Project: Research

Stability and Performance of Neural Regulators
Sørensen, P. H., Ravn, O. & Luther, J. B.
01/09/1998 → 31/08/2001
Project: Research

Experimental systems and test-bed development
01/01/1987 → 01/01/1997
Project: Research

Use of Vision in automation system
Ravn, O., Andersen, N. A., Henriksen, L., Lildballe (fratrådt), J. & Larsen, T. D.
01/01/1987 → 01/01/1997
Project: Research

Activities:

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.

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

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

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

10th IEEE International Conference on Control & Automation
Ravn, O. (Speaker)
12 Jun 2013 → 14 Jun 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

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.

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.

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

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

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

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

Innovation Network RoboCluster (External organisation)
Ravn, O. (Chairman)
1 Jan 2012 → 31 Dec 2012
Activity: Membership › Membership of research networks or expert groups

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

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

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

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

Press clippings:

Go’ Morgen P3
Ole Ravn
20/11/2018
1 media contribution
Press/Media: Press / Media

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

Go’ Morgen P3
Ole Ravn
28/10/2014
1 media contribution
Press/Media: Press / Media

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

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

Derfor er det smart at dreje batterierne i fjernbetjeningen
Ole Ravn
16/01/2014
DR2 Dagen
Ole Ravn
18/12/2013
1 media contribution
Press/Media: Press / Media

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

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