Workshop on acceleration of the validation and regulatory acceptance of alternative methods and implementation of testing strategies
Publication: Research - peer-review › Journal article – Annual report year: 2018

Gaze typing in virtual reality: Impact of keyboard design, selection method, and motion
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Aberrant intestinal microbiota in individuals with prediabetes
Publication: Research - peer-review › Journal article – Annual report year: 2018

Accelerating the clean energy revolution - perspectives on innovation challenges: DTU International Energy Report 2018
Publication: Research - peer-review › Report – Annual report year: 2018

A Framework of Participatory Ergonomics Simulation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

A modular reconfigurable digital microfluidics platform
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Biased Decision Making in Realistic Extra-Procedural Nuclear Control Room Scenarios
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Changes and Sentiment: A Longitudinal E-Mail Analysis of a Large Design Project
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Concerns and tradeoff in privacy and safety of sensor-based monitoring of older people living at home
Ehrari, H., Langberg, C. J. & Andersen, H. B. 2018 In : Gerontechnology. 17, 110s
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2018

CyberShip: An SDN-based Autonomic Attack Mitigation Framework for Ship Systems
Sahay, R., Sepúlveda Estay, D. A., Meng, W., Jensen, C. D. & Barfod, M. B. 2018
Publication: Research - peer-review › Paper – Annual report year: 2018
Is construction ripe for disruption?
Ernstsen, S. K., Maier, A., Larsen, L. R. & Thuesen, C. 2018
Publication: Research - peer-review › Paper – Annual report year: 2018

Key findings and recommendations
Publication: Research - peer-review › Report chapter – Annual report year: 2018

Learning from Digitalised Industries: Designing Value Propositions for Disruption
Ernstsen, S. K., Koch-Ørvad, N., Berg, J. B., Brinck, S., Thuesen, C. & Maier, A. 2018
Publication: Research - peer-review › Paper – Annual report year: 2018

Medicinafstemning
Publication: Research - peer-review › Journal article – Annual report year: 2018

Networked capabilities for sustainable energy solutions
Publication: Research - peer-review › Report chapter – Annual report year: 2018

Paper-based sensors for rapid detection of virulence factor produced by Pseudomonas aeruginosa
Publication: Research - peer-review › Journal article – Annual report year: 2018

Simple fibre based dispersion management for two-photon excited fluorescence imaging through an endoscope
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Simulation in Diagnosing and Redesigning Knowledge Transfer Systems in the Offshore Oil Industry
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

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

Workspace Lab: Planning participatory design
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

2nd International Workshop on Mental Health and Well-being: Sensing and Intervention: sensing and intervention
Publication: Research › Article in proceedings – 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: 2016

Adaptive Smoothing in fMRI Data Processing Neural Networks
Publication: Research › Article in proceedings – Annual report year: 2018

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
Christiansen, L. H., Capolei, A. & Jørgensen, J. B. 2017 In : Computational Geosciences. 21, 3, p. 411-26
Publication: Research - peer-review › Journal article – Annual report year: 2017

Analysis of DDoS-capable IoT malwares
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

An effect-directed strategy for characterizing emerging chemicals in food contact materials made from paper and board
Publication: Research - peer-review › Journal article – Annual report year: 2017
A New Wavelet-Based ECG Delineator for the Evaluation of the Ventricular Innervation
Publication: Research - peer-review › Journal article – Annual report year: 2017

An introduction to Deep learning on biological sequence data - Examples and solutions
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Riccati-Based Interior Point Method for Efficient Model Predictive Control of SISO Systems
Publication: Research - peer-review › Conference article – Annual report year: 2017

A systematic and practical method for selecting systems engineering tools
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Big Data hvor N=1
Publication: Research › Book chapter – Annual report year: 2017

Can smartphone-based electronic markers discriminate between patients with bipolar disorder, healthy first-degree relatives and healthy control individuals
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2017

Commemorating 25 years of optical coherence tomography: A perspective on biomedical applications
Sampson, D. D., Andersen, P. E., Van Leeuwen, T. & Wang, R. 2017 In : Journal of Biomedical Optics. 22, 12, 2 p., 121700
Publication: Research - peer-review › Editorial – Annual report year: 2018

Comparing three methods for participatory simulation of hospital work systems
Broberg, O. & Andersen, S. N. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Contact activity and dynamics of the social core
Publication: Research - peer-review › Journal article – Annual report year: 2017

Correlations between human mobility and social interaction reveal general activity patterns
Publication: Research - peer-review › Journal article – Annual report year: 2017

Creating Ultra Dense Point Correspondence Over the Entire Human Head
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Cross-Validation of a Glucose-Insulin-Glucagon Pharmacodynamics Model for Simulation using Data from Patients with Type 1 Diabetes
Data-driven engineering design research: Opportunities using open data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

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 › Journal article – Annual report year: 2017

Den mikrobielle verden indeni os - En kort introduktion til tarmens mikrobiom
Licht, T. R. 2017 In : Miljø og sundhed. 23, Suppl. 1, p. 3-5
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

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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
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

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

Mellemkødet sladrer om skadelige kemikalier
Publication: Research - peer-review › Journal article – Annual report year: 2017

Microbiota composition of simultaneously colonized mice housed under either a gnotobiotic isolator or individually ventilated cage regime
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Publication: Research › Ph.D. thesis – Annual report year: 2017

Multi-scale spatio-temporal analysis of human mobility
Publication: Research - peer-review › Journal article – Annual report year: 2017

Optical Coherence Tomography
Publication: Research - peer-review › Encyclopedia chapter – Annual report year: 2017

Påvirker pesticider tarmens bakteriesamfund - og hvad kan det betyde for sundheden?
Publication: Research › Journal article – Annual report year: 2017

Playware ABC: Engineering Play for Everybody
Publication: Research - peer-review › Journal article – Annual report year: 2017
Reducing the rate and duration of Re-admissions among patients with unipolar disorder and bipolar disorder using smartphone-based monitoring and treatment - the RADMIS trials: Study protocol for two randomized controlled trials
Faurholt-Jepsen, M., Frost, M., Martiny, K., Tuxen, N., Rosenberg, N., Busk, J., Winther, O., Bardram, J. E. & Kessing, L. V. 2017 In : Trials. 18, 1, 13 p., 277
Publication: Research - peer-review › Journal article – Annual report year: 2017

Rethinking Hearing Aid Fitting by Learning From Behavioral Patterns
Publication: Research - peer-review › Conference abstract in proceedings – 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
Jessen, J. D. & Lund, H. H. 2017 In : Journal of the American Geriatrics Society. 17, 1, 6 p., 27
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 › Article in proceedings – 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
Conti, M., Dragoni, N. & Lesyk, V. 2016 In : I E E E Communications Surveys and Tutorials. 18, 3, p. 2027-2051
Publication: Research - peer-review › Journal article – Annual report year: 2016

Automatic Functionality Assignment to AUTOSAR Multicore Distributed Architectures
Automatic Model Generation Framework for Computational Simulation of Cochlear Implantation

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

Characterizing Design Process Interfaces as Organization Networks: Insights for Engineering Systems Management


Colonic transit time is related to bacterial metabolism and mucosal turnover in the human gut

Colonic transit time relates to bacterial metabolism and mucosal turnover in the human gut

Controllability and flexibility analysis of CO2 post-combustion capture using piperazine and MEA

Designing Context-Aware Cognitive Behavioral Therapy for Unipolar and Bipolar Disorders

Developing a framework to transfer knowledge from operations into engineering design projects: understanding the knowledge management challenge
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 - peer-review › 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
Experimental Demonstration of Multidimensional Switching Nodes for All-Optical Data Center Networks

Eye-head stabilization mechanism for a humanoid robot tested on human inertial data

Fluorinated alkyl substances and technical mixtures used in food paper-packaging exhibit endocrine-related activity in vitro

Forward Models can be Inferred from EEG Data

Fundamental structures of dynamic social networks

High-resolution kinetics and modeling of hydrogen peroxide degradation in live cells

Infant Gut Microbiota Development Is Driven by Transition to Family Foods Independent of Maternal Obesity

Integrating ergonomics knowledge into business-driven design projects: The shaping of resource constraints in engineering consultancy

Knowledge crossing boundaries

Ladder Variational Autoencoder

Measure of Node Similarity in Multilayer Networks

Novel Automatic Detection of Pleura and B-lines (Comet-Tail Artifacts) on In-Vivo Lung Ultrasound Scans.
97900K
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

Perturbation of Neonatal Microbial Gut Community by Peripartum Antibiotics in Wistar Rats Lead to Decreased Weight Gain
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Perturbation of Neonatal Microbial Gut Community by Peripartum Antibiotics in Wistar Rats Lead to Decreased Weight Gain
Publication: Research - peer-review › Poster – Annual report year: 2016

Perturbation of Neonatal Microbial Gut Community by Peripartum Antibiotics in Wistar Rats Lead to Decreased Weight Gain
Publication: Research - peer-review › Poster – Annual report year: 2016

Perturbation of Neonatal Microbial Gut Community by Peripartum Antibiotics in Wistar Rats Lead to Decreased Weight Gain
Publication: Research - peer-review › Poster – 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
**Synchronization in a Random Length Ring Network for SDN-Controlled Optical TDM Switching**


**The Center for Integrated Molecular Brain Imaging (Cimbi) database**


**The Personal Health Technology Design Space**


**Timing Analysis of Genetic Logic Circuits using D-VASim**

Baig, H. & Madsen, J. 2016

**Transferring in vivo exposure into in vitro assays using silicone to assess the endocrine activity of POPs accumulated in human breast implants**


**Using Network Science to Support Design Research: From Counting to Connecting**


**Visualizing Patient Journals by Combining Vital Signs Monitoring and Natural Language Processing**


**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

**Voice analysis as an objective state marker in bipolar disorder**


**Wrist-worn pervasive gaze interaction**


**A Bolus Calculator Based on Continuous-Discrete Unscented Kalman Filtering for Type 1 Diabetics**

Advanced automated gain adjustments for in-vivo ultrasound imaging

A Networked Perspective on the Engineering Design Process: At the Intersection of Process and Organisation Architectures

Automatic Generation of a Computational Model for Monopolar Stimulation of Cochlear Implants

Bihormonal control of blood glucose in people with type 1 diabetes

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.

Cochlear Implant Planning, Selection and Simulation with Patient Specific Data

Comparison of Prediction Models for a Dual-Hormone Artificial Pancreas

Control of a post-combustion CO2 capture plant during process start-up and load variations

Control Plane Strategies for Elastic Optical Networks

Design of Low Power Algorithms for Automatic Embedded Analysis of Patch ECG Signals

D-VASim: Dynamic Virtual Analyzer and Simulator for Genetic Circuits
Fault-Tolerant Digital Microfluidic Biochips: Compilation and Synthesis

How Many Separable Sources? Model Selection In Independent Components Analysis

Implementation of real-time duplex synthetic aperture ultrasonography

Investigation of the Minimum Conditions for Reliable Estimation of Clinically Relevant HRV Measures: Introducing a Novel Approach to the Validation of HRV Measurement Systems

Predicting Detailed Inner Ear Anatomy from Pre-Oppreoperational CT for cochlear implant surgery

Smartphone data as an electronic biomarker of illness activity in bipolar disorder

Towards droplet size-aware biochemical application compilation for AM-EWOD biochips

Towards Quasi-continuous Heart Rate Variability Estimation using a Patch Type Electrocardiogram Recorder

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

Cyber Resilience for the Shipping Industry (CyberShip)
Barfod, M. B., Psaraftis, H. N., Jensen, C. D., Sepúlveda Estay, D. A. & Sahay, R.
01/09/2017 → 31/08/2019
Project

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


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

**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

**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

**Activities:**

**Characterizing molecular mechanisms for short anogenital distance**  
Schwartz, C. V. L. (Speaker), Vinggaard, A. M. (Other), Svingen, T. (Other)  
4 Jun 2018 → 6 Jun 2018  
Activity: Talks and presentations › Conference presentations

**Characterizing novel molecular mechanisms for short AGD – a biomarker of fetal testicular function**  
Schwartz, C. V. L. (Speaker), Vinggaard, A. M. (Other), Christiansen, S. (Other), Frederic Chalmel (Other), Svingen, T. (Other)  
23 May 2018 → 27 May 2018  
Activity: Talks and presentations › Conference presentations

**Glyphosate alone does not adversely affect testicular androgen function in mature rats**  
Johansson, H. K. L. (Other), Nielsen, L. N. (Other), Vinggaard, A. M. (Other), Bahl, M. I. (Other), Svingen, T. (Speaker)  
23 May 2018 → 27 May 2018  
Activity: Talks and presentations › Conference presentations

**Invited Speaker Design Debate at 15th International Design Conference (DESIGN2018)**  
Maier, A. (Invited speaker)  
21 May 2018 → 24 May 2018  
Activity: Talks and presentations › Conference presentations

**Concerns and tradeoff in privacy and safety of sensor-based monitoring of older people living at home**  
Ehrari, H. (Other), Andersen, H. B. (Other), Carl Johan Langberg (Other)  
9 May 2018  
Activity: Talks and presentations › Conference presentations

**Combination effects of pesticides on birth weight and metabolic programming in rat offspring**  
Svingen, T. (Invited speaker), Ramhaj, L. (Other), Petersen, M. A. (Other), Christiansen, S. (Other), Martin Scholze (Other), Boberg, J. (Other), Vinggaard, A. M. (Other), Hass, U. (Other)  
24 Jan 2018 → 25 Jan 2018  
Activity: Talks and presentations › Conference presentations

**Journal of Engineering Design (Journal)**  
Maier, A. (Editor)  
1 Jan 2018 → ...

Activity: Research › Journal editor
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

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

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.

**1st Engineering Systems Design & Data Science: EuroTech Alliance DTU-TUM Workshop in Munich**  
Maier, A. (Speaker)  
19 Sep 2016 → 20 Sep 2016  
Activity: Talks and presentations › Conference presentations

**Risks related to static magnetic fields**  
Hanson, L. G. (Invited speaker)  
1 Sep 2016  
Activity: Talks and presentations › Conference presentations

**Net-Sights: Data-driven network insights @ Big Data Business Academy**  
Maier, A. (Invited speaker)  
21 Jun 2016  
Activity: Talks and presentations › Conference presentations

**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  
Activity: Talks and presentations › Conference presentations
14th International Design Conference
Maier, A. (Participant)
16 May 2016 → 19 May 2016
Activity: Attending an event › Participating in or organising a conference

Future of Design Research @ Workshop Design Research: 10 Years On
Maier, A. (Invited speaker)
16 May 2016
Activity: Talks and presentations › Conference presentations

CESUN Europe Event
Maier, A. (Participant)
21 Apr 2016 → 22 Apr 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Annual Design Society Board of Management and Advisory Board Meeting (External organisation)
Maier, A. (Participant)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Design Science Journal (Journal)
Maier, A. (Editor)
1 Feb 2016 → …
Activity: Research › Journal editor

advanced NMR spectroscopy
Hanson, L. G. (Lecturer)
19 Jan 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

A framework for conceptualisation for PSS solutions - On network-based development models (External organisation)
Maier, A. (Chairman)
18 Jan 2016
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

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 Vugt-Lussenburg (Other), Petersen, J. H. (Other), Taxvig, C. (Other), Svingen, T. (Other), Laurianne Lesnè (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 Riiber 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
PhD opponent Chalmers University of Technology, Sweden (External organisation)
Broberg, O. (External examiner)
2011

Activity: Examinations and supervision › External examination

Design Society Advisory Board (Event)
Maier, A. (Chairman)
15 Aug 2011 → 14 Aug 2022

Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Prizes:

Human Factors Engineering and Systems Design with Federal University of Rio 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

Vanførefondens Forskerpris 2018
John Paulin Hansen (Recipient), 23 May 2018
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:

Sammenhæng mellem indtag af grønt og bakteriediversitet i tarmen
Tine Rask Licht
15/05/2018
1 media contribution
Press / Media

Sandt og falsk om tarmens mikrobiota
Tine Rask Licht
12/01/2018
1 media contribution
Press / Media

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

Health Innovation: System Design for Behaviour Change
Anja Maier
16/11/2017
1 media contribution
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
Tarmbakterier og vægttab
Tine Rask Licht
12/09/2017
1 item of media coverage
Press / Media

Sundhedsskadelige stoffer i fødevarekontaktmateriale
Anne Marie Vinggaard
07/09/2017
1 item of media coverage
Press / Media

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

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

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

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

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

Tarmbakterier og sunhed
Tine Rask Licht
21/12/2016
1 media contribution
Press / Media

Tarmbakterier, fedme, mus
Tine Rask Licht
15/12/2016
1 media contribution
Press / Media
Tarmbakterier, fedme, mus
Tine Rask Licht
07/12/2016
1 media contribution
Press / Media

Tarmbakteriers påvirkning af forbrændingen
Tine Rask Licht
30/11/2016
1 media contribution
Press / Media

Tarmbakteriers påvirkning af forbrændingen
Tine Rask Licht
28/11/2016
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 fødevarekontaktmaterialer
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

mælkeøsrebakterier
Tine Rask Licht
04/08/2016
1 media contribution
Transittid
Tine Rask Licht
28/06/2016
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

Ny 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