Publications:

**Phone-based metric as a predictor for basic personality traits**
Mønsted, B., Mollgaard, A. & Mathiesen, J. 1 Jun 2018 In : Journal of Research in Personality. 74, p. 16-22
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Stress response and cognitive performance modulation in classroom versus natural environments: A quasi-experimental pilot study with children**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Academic performance and behavioral patterns**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**A Diagnostic and Predictive Framework for Wind Turbine Drive Train Monitoring**
Publication: Research › Ph.D. thesis – Annual report year: 2018

**A Fitts' law study of click and dwell interaction by gaze, head and mouse with a head-mounted display**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

**Altered auditory processing and effective connectivity in 22q11.2 deletion syndrome**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Automatic skull segmentation from MR images for realistic volume conductor models of the head: Assessment of the state-of-the-art**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**A Vibrotactile Alarm System for Pleasant Awakening**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Benefits of spatio-temporal modelling for short term wind power forecasting at both individual and aggregated levels**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Complex Spreading Phenomena in Social Systems: Influence and Contagion in Real-World Social Networks**
Publication: Research - peer-review › Book – Annual report year: 2018
Constrained information flows in temporal networks reveal intermittent communities
Publication: Research - peer-review › Journal article – Annual report year: 2018

Deep Generative Models for Molecular Science
Jørgensen, P. B., Schmidt, M. N. & Winther, O. 2018 In : Molecular Informatics. 37, 1-2, 9 p., 1700133
Publication: Research - peer-review › Journal article – Annual report year: 2018

Deep Generative Models for Semi-Supervised Machine Learning
Publication: Research › Ph.D. thesis – Annual report year: 2018

Deep Latent Variable Models for Sequential Data
Publication: Research › Ph.D. thesis – Annual report year: 2018

Deep learning for automated drivetrain fault detection
Publication: Research - peer-review › Journal article – Annual report year: 2018

Design process robustness: A bi-partite network analysis reveals the central importance of people
Piccolo, S., Jørgensen, S. L. & Maier, A. 2018 In : Design Science Journal. 4, e1
Publication: Research - peer-review › Journal article – Annual report year: 2018

FindZebra - using machine learning to aid diagnosis of rare diseases
Publication: Research › Ph.D. thesis – Annual report year: 2018

Frontal Brain Asymmetry and Willingness to Pay
Ramsøy, T. Z., Skov, M., Christensen, M. K. & Stahlhut, C. 2018 In : Frontiers in Neuroscience. 12, 12 p., Article 138
Publication: Research - peer-review › Journal article – Annual report year: 2018

Functional Connectivity using a Wishart Mixture Model
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Functional neuroimaging of recovery from motor conversion disorder: A case report
Publication: Research - peer-review › Journal article – Annual report year: 2018

Machine learning-based screening of complex molecules for polymer solar cells
Publication: Research - peer-review › Journal article – Annual report year: 2018

Machine Learning meets Mathematical Optimization to predict the optimal production of offshore wind parks
Publication: Research - peer-review › Journal article – Annual report year: 2018

Optimizing targeted vaccination across cyber-physical networks: an empirically based mathematical simulation study
Publication: Research - peer-review › Journal article – Annual report year: 2018
Perspectives on Machine Learning for Classification of Schizotypy Using fMRI Data
Publication: Research - peer-review › Journal article – Annual report year: 2018

Predictive assessment of models for dynamic functional connectivity
Publication: Research - peer-review › Journal article – Annual report year: 2017

Probabilistic sparse non-negative matrix factorization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Rigorous optimisation of multilinear discriminant analysis with Tucker and PARAFAC structures
Frølich, L., Andersen, T. S. & Mørup, M. 2018 In : B M C Bioinformatics. 19, 1, 15 p., 197197
Publication: Research - peer-review › Journal article – Annual report year: 2018

Skull segmentation from MR scans using a higher-order shape model based on convolutional restricted Boltzmann machines
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Slice-wise motion tracking during simultaneous EEG-fMRI
Laustsen, M., Andersen, M., Lehmann, P. M., Xue, R., Madsen, K. H. & Hanson, L. G. 2018
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Spatio-temporal methods for EEG analysis in cognitive neuroscience
Publication: Research › Ph.D. thesis – Annual report year: 2018

Statistical models for wifi data and educational peer review
Publication: Research › Ph.D. thesis – Annual report year: 2018

Structured Bayesian Approximate Inference
Publication: Research › Ph.D. thesis – Annual report year: 2018

Task-Modulated Cortical Representations of Natural Sound Source Categories
Publication: Research - peer-review › Journal article – Annual report year: 2018

The Choice of Prior in Bayesian Modeling of the Information Sampling Task
Publication: Research › Letter – Annual report year: 2018

Understanding predictability and exploration in human mobility
Publication: Research - peer-review › Journal article – Annual report year: 2018
Bayesian inference for spatio-temporal spike-and-slab priors
Publication: Research - peer-review › Journal article – Annual report year: 2018

Bayesian Modelling of Functional Whole Brain Connectivity
Publication: Research › Ph.D. thesis – Annual report year: 2017

Bayesian state prediction of wind turbine bearing failure
Publication: Research - peer-review › Journal article – Annual report year: 2017

Boganmeldelse: Pascal - Matematik og mirakler
Publication: Communication › Literature review – 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

Class attendance, peer similarity, and academic performance in a large field study
Publication: Research - peer-review › Journal article – Annual report year: 2017

CloudScan - A Configuration-Free Invoice Analysis System Using Recurrent Neural Networks
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

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

Data Mining and Visualization of Large Human Behavior Data Sets
Publication: Research › Ph.D. thesis – Annual report year: 2017

Deep convolutional neural networks for interpretable analysis of EEG sleep stage scoring
Publication: Research › Article in proceedings – Annual report year: 2018

DeepLoc: prediction of protein subcellular localization using deep learning
Publication: Research - peer-review › Journal article – Annual report year: 2017
Deep recurrent conditional random field network for protein secondary prediction
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Difference-of-Convex optimization for variational kl-corrected inference in dirichlet process mixtures
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Dynamical Functional Theory for Compressed Sensing
Publication: Research › Article in proceedings – Annual report year: 2018

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

EEG source imaging assists decoding in a face recognition task
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Effective connectivity and gamma oscillations in a group at risk of psychosis
Publication: Research › Ph.D. thesis – Annual report year: 2017

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

Evidence of complex contagion of information in social media: An experiment using Twitter bots
Publication: Research - peer-review › Journal article – Annual report year: 2017
Examination of heterogeneous societies: Identifying subpopulations by contrasting cultures
Publication: Research - peer-review › Journal article – Annual report year: 2016

Excavating the mother lode of human-generated text: A systematic review of research that uses the Wikipedia corpus
Publication: Research - peer-review › Journal article – Annual report year: 2016

Fostering Bilateral Patient-Clinician Engagement In Active Self-Tracking of Subjective Experience
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

From concept to in vivo testing: Microcontainers for oral drug delivery
Publication: Research - peer-review › Journal article – Annual report year: 2017

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

Gaussian process based independent analysis for temporal source separation in fMRI
Publication: Research - peer-review › Journal article – Annual report year: 2017

Generative Temporal Modelling of Neuroimaging - Decomposition and Nonparametric Testing
Publication: Research › Ph.D. thesis – Annual report year: 2017

Gradient distortions in EEG provide motion tracking during simultaneous EEG-fMRI
Laustsen, M., Andersen, M., Madsen, K. H. & Hanson, L. G. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Hearables in hearing care: discovering usage patterns through IoT devices
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

High temperature SU-8 pyrolysis for fabrication of carbon electrodes
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

Inferring Person-to-person Proximity Using WiFi Signals
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Infinite von Mises-Fisher Mixture Modeling of Whole Brain fMRI Data
Rege, R., Madsen, K. H., Schmidt, M. N. & Mørup, M. 2017 In : Neural Computation. 29, 10, p. 2712-2741
Publication: Research - peer-review › Journal article – Annual report year: 2017

Intrinsic Grassmann Averages for Online Linear and Robust Subspace Learning
Publication: Research › Article in proceedings – Annual report year: 2017

Large Scale Computing for the Modelling of Whole Brain Connectivity
Publication: Research › Ph.D. thesis – Annual report year: 2017

Modeling dynamic functional connectivity using a wishart mixture model
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Modeling Structural Brain Connectivity
Publication: Research › Ph.D. thesis – Annual report year: 2017

Modeling the Temporal Nature of Human Behavior for Demographics Prediction
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Modelling Digital Media Objects
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

New frontiers of quantified self 3: Exploring understudied categories of users
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
Scholia and scientometrics with Wikidata
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Scholia, Scientometrics and Wikidata
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Second-Order Assortative Mixing in Social Networks
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

SensibleSleep: A Bayesian Model for Learning Sleep Patterns from Smartphone Events
Publication: Research - peer-review › Journal article – Annual report year: 2017

Separable explanations of neural network decisions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Sequence Classification Using Third-Order Moments
Troelsgaard, R. & Hansen, L. K. 2017 In : Neural Computation. 30, 1, p. 216-236
Publication: Research - peer-review › Journal article – Annual report year: 2018

Sparse Probabilistic Parallel Factor Analysis for the Modeling of PET and Task-fMRI Data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

The Bipolar Illness Onset study: research protocol for the BIO cohort study
Publication: Research - peer-review › Journal article – Annual report year: 2017

The circle equation over finite fields
Publication: Research - peer-review › Journal article – Annual report year: 2017

The GO-ACTIWE randomized controlled trial - An interdisciplinary study designed to investigate the health effects of active commuting and leisure time physical activity
Publication: Research - peer-review › Journal article – Annual report year: 2017

The missing link: Predicting connectomes from noisy and partially observed tract tracing data
The role of gender in social network organization

Transformations Based on Continuous Piecewise-Affine Velocity Fields

Two subgroups of antipsychotic-naive, first-episode schizophrenia patients identified with a Gaussian mixture model on cognition and electrophysiology

Unraveling fermentation data – a Novozymes case study
Baum, A., Vermue, L., Moiseyenko, R., Jørgensen, T. M. & Devantier, R. 2017

Using data- and network science to reveal iterations and phase-transitions in the design process

Using OR + AI to Predict the Optimal Production of Offshore Wind Parks: A Preliminary Study

Whole-brain functional connectivity predicted by indirect structural connections

Why Do We Fall into Sync with Others? Interpersonal Synchronization and the Brain’s Optimization Principle

Working Memory Modulation of Frontoparietal Network Connectivity in First-Episode Schizophrenia

Aberrant neural signatures of decision-making: Pathological gamblers display cortico-striatal hypersensitivity to extreme gambles

Accurate continuous geographic assignment from low- to high-density SNP data
Guillot, G., Jönsson, H., Hinge, A., Manchih, N. & Orlando, L. 2016 In : Bioinformatics. 32, 7, p. 1106-1108
Active vibration-based SHM system: demonstration on an operating Vestas V27 wind turbine
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Algebraic Varieties and System Design
Publication: Research › Ph.D. thesis – Annual report year: 2017

A locally adaptive normal distribution
Publication: Research - peer-review › Conference article – Annual report year: 2017

A Note on Powers in Finite Fields
Publication: Research - peer-review › Journal article – Annual report year: 2016

Archetypal Analysis for Modeling Multisubject fMRI Data
Publication: Research - peer-review › Journal article – Annual report year: 2016

A Note on Powers in Finite Fields
Publication: Research - peer-review › Journal article – Annual report year: 2016

Assessing Levels of Attention Using Low Cost Eye Tracking
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Assessment of Rotationally-Invariant Clustering Using Streamlet Tractography
Liptrot, M. G. & Lauze, F. 2016 In : International Journal of Mathematical Education in Science and Technology. 47, 6, p. 987-991
Publication: Research - peer-review › Journal article – Annual report year: 2016

Assessment of Rotationally-Invariant Clustering Using Streamlet Tractography
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

A theory of solving TAP equations for Ising models with general invariant random matrices
Publication: Research - peer-review › Journal article – Annual report year: 2016

Autoencoding beyond pixels using a learned similarity metric
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Auxiliary Deep Generative Models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Bayesian latent feature modeling for modeling bipartite networks with overlapping groups
Bayesian leave-one-out cross-validation approximations for Gaussian latent variable models

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

BloodSpot: a database of gene expression profiles and transcriptional programs for healthy and malignant haematopoiesis

Publication: Research - peer-review › Journal article – Annual report year: 2016

Blu-ray based optomagnetic aptasensor for detection of small molecules

Publication: Research - peer-review › Journal article – Annual report year: 2016

Brain-computer interfacing under distraction: an evaluation study

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

Completely random measures for modelling block-structured sparse networks

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

Data driven estimation of imputation error-a strategy for imputation with a reject option
Bak, N. & Hansen, L. K. 2016 In : P L o S One. 11, 10, 13 p., e0164464

Publication: Research - peer-review › Journal article – Annual report year: 2016

Data-driven forward model inference for EEG brain imaging

Publication: Research - peer-review › Journal article – Annual report year: 2016

Decomposition and classification of electroencephalography data

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

Design of Cognitive Interfaces for Personal Informatics Feedback

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

Development and implementation of a PV performance monitoring system based on inverter measurements

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

Development and validation of a colorimetric sensor array for fish spoilage monitoring

Publication: Research - peer-review › Journal article – Annual report year: 2015
Forward Models can be Inferred from EEG Data
Publication: Research - peer-review › Poster – Annual report year: 2016

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

How to Train Deep Variational Autoencoders and Probabilistic Ladder Networks
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Independent vector analysis for capturing common components in fMRI group analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Inferring Stop-locations from WiFi
Publication: Research - peer-review › Journal article – Annual report year: 2016

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

Literature, Geolocation and Wikidata
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

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

Measuring Motion-Induced B0-Fluctuations in the Brain Using Field Probes
Publication: Research - peer-review › Journal article – Annual report year: 2016

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

New frontiers of quantified self 2: Going beyond numbers
Sequential neural models with stochastic layers
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Spatial Hearing with Incongruent Visual or Auditory Room Cues
Gil Carvajal, J. C., Cubick, J., Santurette, S. & Dau, T. 2016 In : Scientific Reports. 6, 10 p., 37342
Publication: Research - peer-review › Journal article – Annual report year: 2016

Spatio-temporal reconstruction of brain dynamics from EEG with a Markov prior
Publication: Research - peer-review › Journal article – Annual report year: 2016

Strategies of Legitimacy Through Social Media: The Networked Strategy
Publication: Research - peer-review › Journal article – Annual report year: 2015

Structural parcellation of the thalamus using shortest-path tractography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Supervised hub-detection for brain connectivity
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Surface-enhanced Raman spectroscopic study of DNA and 6-mercapto-1-hexanol interactions using large area mapping
Publication: Research - peer-review › Journal article – Annual report year: 2016

Syncopation affects free body-movement in musical groove
Publication: Research - peer-review › Journal article – Annual report year: 2016

Task relevance differentially shapes ventral visual stream sensitivity to visible and invisible faces
Publication: Research - peer-review › Journal article – Annual report year: 2016

The Center for Integrated Molecular Brain Imaging (Cimbi) database
Publication: Research - peer-review › Journal article – Annual report year: 2015

The Functional Segregation and Integration Model: Mixture Model Representations of Consistent and Variable Group-Level Connectivity in fMRI
Publication: Research - peer-review › Journal article – Annual report year: 2016
The influence of hyper-parameters in the infinite relational model
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

The middle ear immune defense changes with age
Publication: Research - peer-review › Journal article – Annual report year: 2015

Towards Improving Overview and Metering through Visualisation and Dynamic Query Filters for User Interfaces
Implementing the Stage Metaphor for Music Mixing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Towards Motion-Insensitive Magnetic Resonance Imaging Using Dynamic Field Measurements.
Andersen, M., Hanson, L. G. & Madsen, K. H. 2016 Technical University of Denmark, Department of Electrical Engineering. 109 p.
Publication: Research › Ph.D. thesis – Annual report year: 2016

Training shortest-path tractography: Automatic learning of spatial priors
Publication: Research - peer-review › Journal article – Annual report year: 2016

Using Concrete and Realistic Data in Evaluating Initial Visualization Designs
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Variational group-PCA for intrinsic dimensionality determination in fMRI data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

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

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

Method of and System for Information Retrieval
Winther, O. & Svenstrup, D. T. 18 Jun 2015
Publication: Research › Patent – Annual report year: 2015

A genomewide catalogue of single nucleotide polymorphisms in white-beaked and Atlantic white-sided dolphins
Publication: Research - peer-review › Journal article – Annual report year: 2015
Airway Inflammation in Chronic Rhinosinusitis with Nasal Polyps and Asthma: The United Airways Concept Further Supported
Publication: Research - peer-review › Journal article – Annual report year: 2015

A Random Riemannian Metric for Probabilistic Shortest-Path Tractography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

A Spatial Model for the Instantaneous Estimation of Wind Power at a Large Number of Unobserved Sites
Publication: Research - peer-review › Journal article – Annual report year: 2015

Audiovisual Integration of Speech in a Patient with Broca’s Aphasia
Andersen, T. & Starrfelt, R. 2015 In : Frontiers in Psychology. 6, p. 1-10 11 p., 435
Publication: Research - peer-review › Journal article – Annual report year: 2015

Cellular origin of prognostic chromosomal aberrations in AML patients
Publication: Research - peer-review › Journal article – Annual report year: 2015

Classification of independent components of EEG into multiple artifact classes
Publication: Research - peer-review › Journal article – Annual report year: 2014

Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Etter, M. A. & Nielsen, F. Å. 2015 In : Corporate Communications. 20, 4, p. 431-447
Publication: Research - peer-review › Journal article – Annual report year: 2015

Combining text mining and coordinate-based meta-analysis
Nielsen, F. Å. 2015
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Convolutional LSTM Networks for Subcellular Localization of Proteins
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

CRIM-TRACK: Sensor System for Detection of Criminal Chemical Substances
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015
Deep Belief Nets for Topic Modeling
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Deep Learning and Music Adversaries
Publication: Research - peer-review › Journal article – Annual report year: 2015

Deep learning, audio adversaries, and music content analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Degradation studies of spray coated polymer films using cantilever sensors
Almdal, K., Bose, S., Keller, S. S., Alstrup, T. S. & Boisen, A. 2015
Publication: Research - peer-review › Poster – Annual report year: 2015

Differential Gene Expression in the Otic Capsule and the Middle Ear- An Annotation of Bone-Related Signaling Genes
Publication: Research - peer-review › Journal article – Annual report year: 2015

Digital daily cycles of individuals
Publication: Research - peer-review › Journal article – Annual report year: 2015

Dynamics of High-Resolution Networks
Publication: Research › Ph.D. thesis – Annual report year: 2015

EEG Source Reconstruction Performance as a Function of Skull Conductance Contrast
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

¿El Caballo Viejo? Latin Genre Recognition with Deep Learning and Spectral Periodicity
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Enhanced computational methods for quantifying the effect of geographic and environmental isolation on genetic differentiation
Publication: Research - peer-review › Journal article – Annual report year: 2016

Enhanced computational methods for quantifying the effect of geographic and environmental isolation on genetic differentiation
Publication: Research - peer-review › Journal article – Annual report year: 2015
Face configuration affects speech perception: Evidence from a McGurk mismatch negativity study
Eskelund, K., MacDonald, E. & Andersen, T. 2015 In : Neuropsychologia. 66, p. 48-54
Publication: Research - peer-review › Journal article – Annual report year: 2014

Functional Analysis: Entering Hilbert Space
Publication: Research - peer-review › Book – Annual report year: 2015

Fusing Simultaneous EEG and fMRI Using Functional and Anatomical Information
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Geodesic exponential kernels: When Curvature and Linearity Conflict
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Guest Editorial: Machine Learning for Signal Processing
Publication: Research › Editorial – Annual report year: 2015

Highly-Expressive Spaces of Well-Behaved Transformations: Keeping It Simple
Publication: Research - peer-review › Paper – Annual report year: 2015

How Many Separable Sources? Model Selection In Independent Components Analysis
Publication: Research - peer-review › Journal article – Annual report year: 2015

Improving Semi-Supervised Learning with Auxiliary Deep Generative Models
Publication: Research - peer-review › Paper – Annual report year: 2015

Investigating effects of different artefact types on motor imagery BCI
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Latent semantics of action verbs reflect phonetic parameters of intensity and emotional content
Publication: Research - peer-review › Journal article – Annual report year: 2014

Learning Combinations of Multiple Feature Representations for Music Emotion Prediction
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Mathematical model for biomolecular quantification using large-area surface-enhanced Raman spectroscopy mapping
Publication: Research - peer-review › Journal article – Annual report year: 2015
Mathematical model for biomolecular quantification using surface-enhanced Raman spectroscopy based signal intensity distributions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Mobile Phones as Cognitive Systems
Publication: Research › Ph.D. thesis – Annual report year: 2015

Modelling the structure of complex networks
Publication: Research › Ph.D. thesis – Annual report year: 2015

Models and Modes of Audiovisual integration
Andersen, T. 2015
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Multiview Bayesian Correlated Component Analysis
Publication: Research - peer-review › Journal article – Annual report year: 2015

New frontiers of quantified self; finding new ways for engaging users in collecting and using personal data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Nonparametric modeling of dynamic functional connectivity in fmri data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Numerical approximations for speeding up mcmc inference in the infinite relational model
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

On Geodesic Exponential Kernels
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Online Open Neuroimaging Mass Meta-Analysis with a Wiki
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Opportunities and Challenges in Crowdsourced Wardriving
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015
Patterns of trawling exploitation and the occurrence of hypoxia in the Baltic Sea
Publication: Research › Report – Annual report year: 2015

Perception-Based Personalization of Hearing Aids Using Gaussian Processes and Active Learning
Publication: Research - peer-review › Journal article – Annual report year: 2015

Principal Curves on Riemannian Manifolds
Publication: Research - peer-review › Journal article – Annual report year: 2015

Rare disease diagnosis: A review of web search, social media and large-scale data-mining approaches
Svenstrup, D. T., Jørgensen, H. L. & Winther, O. 2015 In : Rare Diseases (Online). 3, 1, p. 7, e1083145
Publication: Research - peer-review › Journal article – Annual report year: 2015

Recurrent Spatial Transformer Networks
Publication: Research › Journal article – Annual report year: 2015

Robustness and modular structure in networks
Publication: Research - peer-review › Journal article – Annual report year: 2015

Role of emotional processing in depressive responses to sex-hormone manipulation: a pharmacological fMRI study
Publication: Research - peer-review › Journal article – Annual report year: 2015

S-AMP for non-linear observation models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Self-Disorder and Brain Processing of Proprioception in Schizophrenia Spectrum Patients: A Re-Analysis
Publication: Research - peer-review › Journal article – Annual report year: 2015

SOA thresholds for the perception of discrete/continuous tactile stimulation
Publication: Research - peer-review › Paper – Annual report year: 2015

Statistical analysis of large areas of Raman mapped DNA functionalized gold coated silicon nanopillar SERS substrates
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Statistical learning for predictive targeting in online advertising
Publication: Research › Ph.D. thesis – Annual report year: 2015

Synchronised and complementary coordination mechanisms in an asymmetric joint aiming task
Systems for Personalization of Hearing Instruments: A Machine Learning Approach
Publication: Research › Ph.D. thesis – Annual report year: 2015

Temporal fidelity in dynamic social networks
Publication: Research - peer-review › Journal article – Annual report year: 2015

Testing Multimodal Integration Hypotheses with Application to Schizophrenia Data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

The Danish 22q11 research initiative
Publication: Research - peer-review › Journal article – Annual report year: 2015

The early maximum likelihood estimation model of audiovisual integration in speech perception
Publication: Research - peer-review › Journal article – Annual report year: 2015

"The Sum of All Human Knowledge": A Systematic Review of Scholarly Research on the Content of Wikipedia
Publication: Research - peer-review › Journal article – Annual report year: 2015

Thinking outside of the box or enjoying your 2 seconds of frame?
Publication: Research - peer-review › Journal article – Annual report year: 2015

Topological Rankings in Communication Networks
Publication: Research - peer-review › Journal article – Annual report year: 2015

Towards quantitative SERS detection of hydrogen cyanide at ppb level for human breath analysis
Publication: Research - peer-review › Journal article – Annual report year: 2015

Tracking Human Mobility Using WIFI Signals
Publication: Research - peer-review › Journal article – Annual report year: 2015

Transcranial Magnetic Stimulation: An Automated Procedure to Obtain Coil-specific Models for Field Calculations
Madsen, K. H., Ewald, L., Siebner, H. R. & Thielscher, A. 2015 In : Brain Stimulation. 8, 6, p. 1205-1208
Publication: Research - peer-review › Journal article – Annual report year: 2015
Tumor suppressor ASXL1 is essential for the activation of INK4B expression in response to oncogene activity and anti-proliferative signals
Publication: Research - peer-review › Journal article – Annual report year: 2015

Unsupervised segmentation of task activated regions in fMRI
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Variation in adaptive resilience underscores differences in vulnerability to a changing environment for an ecologically important freshwater fish species
Publication: Research › Report – Annual report year: 2015

Vibration-based SHM System: Application to Wind Turbine Blades
Tcherniak, D. & Malgaard, L. L. 2015 In : Journal of Physics: Conference Series. 628, 1, 9 p., 012072
Publication: Research - peer-review › Journal article – Annual report year: 2015

Cross-categorization of legal concepts across boundaries of legal systems: in consideration of inferential links
Publication: Research - peer-review › Journal article – Annual report year: 2014

A Centrifugal Microfluidic Platform for Biomarker Detection in Blood using BluRay Technology
Publication: Research - peer-review › Poster – Annual report year: 2014

Action and Language Mechanisms in the Brain: Data, Models and Neuroinformatics
Publication: Research - peer-review › Journal article – Annual report year: 2014

Adapting the Theory of Visual Attention (TVA) to model auditory attention
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Analyzing Social Interactions: Promises and Challenges of Cross Recurrence Quantification Analysis
Publication: Research - peer-review › Book chapter – Annual report year: 2014

Are deep neural networks really learning relevant features?
Kereliuk, C. M., Larsen, J. & Sturm, B. L. 2014
Publication: Research › Paper – Annual report year: 2015

A regularized matrix factorization approach to induce structured sparse-low-rank solutions in the EEG inverse problem
Publication: Research - peer-review › Journal article – Annual report year: 2014
Bayesian Correlated Component Analysis for inference of joint EEG activation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Bayesian Inference for Structured Spike and Slab Priors
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Bone Signaling in Middle Ear Development: A Genome-Wide Differential Expression Analysis
Nielsen, M. C., Bertelsen, T. M., Friis, M., Winther, O., Friis-Hansen, L., Cayé-Thomasen, P. & Sørensen, M. S. 2014 In: Anatomical Record. 297, 12, p. 2349-2355
Publication: Research - peer-review › Journal article – Annual report year: 2014

Brain Network Modelling
Publication: Research › Ph.D. thesis – Annual report year: 2014

Brede Tools and Federating Online Neuroinformatics Databases
Nielsen, F. Å. 2014 In: NeuroInformatics. 12, 1, p. 27-37
Publication: Research - peer-review › Journal article – Annual report year: 2014

Characterization of the time-evolving bending profile of micro-cantilevers
Publication: Research - peer-review › Poster – Annual report year: 2014

Community structure in resting state complex networks
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Compact Web browsing profiles for click-through rate prediction
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Data-driven Vessel Performance Monitoring
Publication: Research › Ph.D. thesis – Annual report year: 2015

Denoising by semi-supervised kernel PCA preimaging
Publication: Research - peer-review › Journal article – Annual report year: 2014

Differentiating emotional responses to images and words
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Disasters in personal informatics: The unpublished stories of failure and lessons learned
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014
Discovering hierarchical structure in normal relational data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Down-Regulation of miR-129-5p and the let-7 Family in Neuroendocrine Tumors and Metastases Leads to Up-Regulation of Their Targets Egr1, G3bp1, Hmga2 and Bach1
Publication: Research - peer-review › Journal article – Annual report year: 2014

EEG Source Reconstruction using Sparse Basis Function Representations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Efficient inference of overlapping communities in complex networks
Publication: Research › Journal article – Annual report year: 2014

Electrophysiological assessment of audiovisual integration in speech perception
Publication: Research › Ph.D. thesis – Annual report year: 2014

Emotional responses as independent components in EEG
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Errata to "Bayesian community detection": [Neural computation, sept. 2012, vol. 24, no. 9:2434-2456]
Publication: Research - peer-review › Journal article – Annual report year: 2014

Fast sampling from a Hidden Markov Model posterior for large data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

FindZebra - the search engine for difficult medical cases
Winther, O., Svenstrup, D. T., Henningsen, P. P., Kriståssson, R. & Jærgensen, H. L. 2014 In : Orphanet Journal of Rare Diseases. 9, 1, p. 822
Publication: Research - peer-review › Journal article – Annual report year: 2015

Four Data Visualization Heuristics to Facilitate Reflection in Personal Informatics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Frontal alpha oscillations distinguish leaders from followers: Multivariate decoding of mutually interacting brains
Publication: Research - peer-review › Journal article – Annual report year: 2014
Grassmann Averages for Scalable Robust PCA
Publication: Research › Article in proceedings – Annual report year: 2014

Guest Editorial: Machine Learning for Signal Processing
Publication: Research › Editorial – Annual report year: 2014

Imaging based agglutination measurement of magnetic micro-particles on a Lab-on-a-Disc platform
Publication: Research › Poster – Annual report year: 2014

Improving spectral resolution of SERS using moving AG nanopillar substrate
Publication: Research › Poster – Annual report year: 2014

Improving the robustness of Surface Enhanced Raman Spectroscopy based sensors by Bayesian Non-negative Matrix Factorization
Publication: Research › Article in proceedings – Annual report year: 2014

Inferring Human Mobility from Sparse Low Accuracy Mobile Sensing Data
Publication: Research › Article in proceedings – Annual report year: 2014

In the twinkling of an eye: synchronization of EEG and eye tracking based on blink signatures
Publication: Research › Article in proceedings – Annual report year: 2014

Joint Iterative Carrier Synchronization and Signal Detection Employing Expectation Maximization
Publication: Research › Journal article – Annual report year: 2014

Measuring Large-Scale Social Networks with High Resolution
Publication: Research › Article in proceedings – Annual report year: 2014

Metrics and Evaluation Models for Accessible Television
Publication: Research › Article in proceedings – Annual report year: 2014
Metrics for Probabilistic Geometries
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

MicroRNA expression analysis and Multiplex ligation-dependent probe amplification in metastatic and non-metastatic uveal melanoma
Publication: Research - peer-review › Journal article – Annual report year: 2014

Modeling Temporal Structure in Music for Emotion Prediction using Pairwise Comparisons
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Model Selection in Data Analysis Competitions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Model Transport: Towards Scalable Transfer Learning on Manifolds
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Multivariate decoding of mutually interacting brains reveals complementary neural mechanisms in leaders and followers
Konvalinka, I. 2014
Publication: Research › Conference abstract for conference – Annual report year: 2014

Non-linear calibration models for near infrared spectroscopy
Publication: Research - peer-review › Journal article – Annual report year: 2013

Non-negative Tensor Factorization with missing data for the modeling of gene expressions in the Human Brain
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Nonparametric Bayesian Clustering of Structural Whole Brain Connectivity in Full Image Resolution
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Nonparametric Bayesian graph models reveal community structure in resting state fMRI
Publication: Research - peer-review › Journal article – Annual report year: 2014

Nonparametric statistical structuring of knowledge systems using binary feature matches
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014
On the number of spanning trees in random regular graphs
Publication: Research - peer-review › Journal article – Annual report year: 2014

På dynamikken fik han skik - og Abelpriisen til Sinai gik
Publication: Research › Journal article – Annual report year: 2014

Probabilistic shortest path tractography in DTI using Gaussian Process ODE solvers
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Ranking Entities in Networks via Lefschetz Duality
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

S-AMP: Approximate Message Passing for General Matrix Ensembles
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Semi-supervised eigenvectors for large-scale locally-biased learning
Publication: Research - peer-review › Journal article – Annual report year: 2015

Smartphones as pocketable labs: Visions for mobile brain imaging and neurofeedback
Publication: Research - peer-review › Journal article – Annual report year: 2013

Supplementary Notes for Graph Theory 1: Including solutions for selected weekly exercises
Publication: Research - peer-review › Book – Annual report year: 2014

The Fire-Walker's High: Affect and Physiological Responses in an Extreme Collective Ritual
Publication: Research - peer-review › Journal article – Annual report year: 2014

The impact of hazardous industrial facilities on housing prices: A comparison of parametric and semiparametric hedonic price models
Publication: Research - peer-review › Journal article – Annual report year: 2014

The Long Tail Issue in Large Scale Deployment of Personal Informatics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

The role of simulation in designing for universal access
The Smartphone Brain Scanner: A Portable Real-Time Neuroimaging System

The Strength of Friendship Ties in Proximity Sensor Data
Sekara, V. & Jørgensen, S. L. 2014 In : P L o S One. 9, 7, 8 p., e100915

The Strength of the Strongest Ties in Collaborative Problem Solving

Tumor antigens as proteogenomic biomarkers in invasive ductal carcinomas

Validity of covariance models for the analysis of geographical variation

Visualizing multi-channel networks

Visualizing QS Data Using Time Spirals
Larsen, J. E., Cattone, A. & Jørgensen, S. L. 2014

Wikipedia in the eyes of its beholders: A systematic review of scholarly research on wikipedia readers and readership
Okoli, C., Mehdi, M., Mesgari, M., Nielsen, F. Å. & Lanamäki, A. 2014 In : Journal of the Association for Information Science and Technology . 65, 12, p. 2381-2403

Your heart might give away your emotions

3D gender recognition using cognitive modeling

Abelpris til Pierre Deligne for banebrydende matematisk rapsodi om de algebraiske lignings geometri

A Hierarchical Bayesian M/EEG Imaging Method Correcting for Incomplete Spatio-Temporal Priors
A Mobile Personal Informatics System with Interactive Visualizations of Mobility and Social Interactions


Analysis of Conceptualization Patterns across Groups of People


Analysis of Subjective Conceptualizations Towards Collective Conceptual Modelling


A Neural Marker of Perceptual Consciousness in Infants


Archetypal analysis of diverse Pseudomonas aeruginosa transcriptomes reveals adaptation in cystic fibrosis airways


Assessing Miniaturized Sensor Performance using Supervised Learning, with Application to Drug and Explosive Detection


Autobiographical Memory in a Fire-Walking Ritual


Believing versus interacting: Behavioural and neural mechanisms underlying interpersonal coordination

Konvalinka, I., Bauer, M., Kilner, J., Roepstorff, A. & Frith, C. D. 2013

Bounded Gaussian process regression


Comparing Structural Brain Connectivity by the Infinite Relational Model


Complementary coordination strategies in a joint Fitts’ reciprocal aiming task

Konvalinka, I., Skewes, L., Michael, J. & Skewes, J. C. 2013

Crowds, Bluetooth and Rock’n’Roll: Understanding Music Festival Participant Behavior

Crowds, Bluetooth, and Rock'n'Roll: Understanding Music Festival Participant Behavior
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Dimensionality reduction for click-through rate prediction: Dense versus sparse representation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

EEG Sequence Imaging: A Markov Prior for the Variational Garrote
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Efficient individualization of hearing aid processed sound
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Estimating passenger numbers in trains using existing weighing capabilities
Publication: Research - peer-review › Journal article – Annual report year: 2013

Expansion of the Variational Garrote to a Multiple Measurement Vectors Model
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

FindZebra: A search engine for rare diseases
Publication: Research - peer-review › Journal article – Annual report year: 2013

Hearing Aid Personalization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

How about a Bayesian M/EEG imaging method correcting for incomplete spatio-temporal priors
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2013

How low can you go: Spatial frequency sensitivity in a patient with pure alexia
Starrfelt, R., Nielsen, S., Habekost, T. & Andersen, T. 2013 In : Brain and Language. 126, 2, p. 188-192
Publication: Research - peer-review › Journal article – Annual report year: 2013

Images from a jointly-arousing collective ritual reveal affective polarization
Publication: Research - peer-review › Journal article – Annual report year: 2014
Kernel Methods for Machine Learning with Life Science Applications
Publication: Research › Ph.D. thesis – Annual report year: 2013

Publication: Research - peer-review › Journal article – Annual report year: 2013

Large scale inference in the Infinite Relational Model: Gibbs sampling is not enough
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Large-scale Machine Learning in High-dimensional Datasets
Publication: Research › Ph.D. thesis – Annual report year: 2013

Learning the solution sparsity of an ill-posed linear inverse problem with the Variational Garrote
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Les risques industriels et le prix des logements
Publication: Research - peer-review › Journal article – Annual report year: 2014

Measuring Personalization of Web Search
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Mobile real-time EEG imaging Bayesian inference with sparse, temporally smooth source priors
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Modeling Temporal Evolution and Multiscale Structure in Networks
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Modelling auditory attention: Insights from the Theory of Visual Attention (TVA)
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Mouth reversal extinguishes mismatch negativity induced by the McGurk illusion
Eskelund, K. & Andersen, T. 2013 In : Multisensory Research. 26, 0, p. 133–134
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Multiple sclerosis impairs regional functional connectivity in the cerebellum
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2013
Nanomechanical recognition of prognostic biomarker suPAR with DVD-ROM optical technology

Nonparametric Bayesian Modeling of Complex Networks: An Introduction

Participatory Bluetooth Sensing: A Method for Acquiring Spatio-Temporal Data about Participant Mobility and Interactions at Large Scale Events

Personal Informatics in the Wild: Hacking Habits for Health & Happiness

Personalized Audio Systems - a Bayesian Approach

Perturbative corrections for approximate inference in gaussian latent variable models

Pointing to oneself: active versus passive proprioception revisited and implications for internal models of motor system function

Population Structure

PorkCAD: Case study of the design of a pork product prototyper

Predictive Modeling of Expressed Emotions in Music Using Pairwise Comparisons
Madsen, J., Jensen, B. S. & Larsen, J. 2013 In : Lecture Notes in Computer Science. 7900, p. 253-277

Process optimization of ultrasonic spray coating of polymer films

QS Spiral: Visualizing Periodic Quantified Self Data
Multi-colorimetric sensor array for detection of illegal materials
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Semi-supervised Eigenvectors for Locally-biased Learning
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

String matching with variable length gaps
Publication: Research - peer-review › Journal article – Annual report year: 2012

Demonstration: A smartphone 3D functional brain scanner
Publication: Research › Conference abstract for conference – Annual report year: 2011

Projects:

State-informed brain stimulation
Krohne, L. K.
01/02/2017 → …
Project

Reducing the rate and duration of re-admission among patients with unipolar and bipolar disorder using smartphone-based monitoring and treatment
Bardram, J. E. & Winther, O.
01/03/2016 → 01/09/2019
Project

Functional Connectivity during Theory of Mind and Empathy tasks, using Machine Learning in Subjects with Schizotypy
Krohne, L. K.
01/06/2015 → …
Project

Computational methods for wind-energy forecasting
Guillot, G., Pinson, P. & Bezzera, E.
01/02/2015 → 29/02/2016
Project

Non-Linear Temporal Machine Learning Models for Conditioning Monitoring in Large-Scale Solar Energy Systems
Maaløe, L. & Winther, O.
15/12/2014 → 15/12/2017
Project

Benchmarking and extending models of real estate price prediction, under financial regulation requirements
Guillot, G., Katossky, A., Thygesen, U. H. & Dalhoff, J.
01/09/2014 → 01/10/2017
Project

Computational Landscape Genomics
Guillot, G., Storfer, A., Poss, M. & Antolin, M.
01/10/2013 → …
Project
Population structure
Guillot, G. & Orlando, L.
01/07/2013 → ...
Project

Deep Belief Nets for Topic Modeling
Maaløe, L. & Winther, O.
01/02/2013 → 01/03/2014
Project

Early Detection of Markers for Neurodegenerative Diseases
Krohne, L. K.
01/02/2013 → 30/08/2014
Project

Activities:

24th Annual Meeting of the Organization of Human Brain Mapping
Krohne, L. K. (Participant)
17 Jun 2018 → 21 Jun 2018
Activity: Attending an event › Participating in or organising a conference

Does corticospinal excitability depend on oscillatory phase of the mu-rhythm?
Krohne, L. K. (Speaker)
17 Jun 2018 → 21 Jun 2018
Activity: Talks and presentations › Conference presentations

2018 Summer Short Course on Causal Discovery
Krohne, L. K. (Participant)
11 Jun 2018 → 15 Jun 2018
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

NeuroImage (Journal)
Krohne, L. K. (Reviewer)
Jun 2017 → ...
Activity: Research › Peer review of manuscripts

Modeling of dynamic functional networks for prediction of schizotypy
Krohne, L. K. (Lecturer)
20 Jun 2017
Activity: Talks and presentations › Conference presentations

2017 International Consortium for Research on Schizotypy
Krohne, L. K. (Participant)
19 Jun 2017 → 20 Jun 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Integration of Nanopillar SERS Substrates in a Microfluidic Platform for Analyte Separation and Quantitative Sensing
Durucan, O. (Guest lecturer), Morelli, L. (Guest lecturer), Wu, K. (Guest lecturer), Viehrig, M. (Guest lecturer), Ilchenko, O. (Guest lecturer), Zor, K. (Guest lecturer), Matteucci, M. (Guest lecturer), Alstrøm, T. S. (Guest lecturer), Rindzvicius, T. (Guest lecturer), Schmidt, M. S. (Guest lecturer), Boisen, A. (Guest lecturer)
11 Jun 2017 → 17 Jun 2017
Activity: Talks and presentations › Conference presentations
WikiCite 2016
Nielsen, F. Å. (Participant)
25 May 2016 → 26 May 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

An Introduction to Multisensory Perception
Andersen, T. (Lecturer)
8 Sep 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

ICES
Guillot, G. (Participant)
9 Jun 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Member of PhD committee (External organisation)
Guillot, G. (Participant)
May 2015
Activity: Membership › Membership in review committee

Model and inference algorithm to combine genetic, phenotypic and geographic information
Guillot, G. (Invited speaker)
29 Apr 2015
Activity: Talks and presentations › Conference presentations

Combining text mining and coordinate-based meta-analysis
Nielsen, F. Å. (Invited speaker)
21 Apr 2015
Activity: Talks and presentations › Conference presentations

Models and Modes of Audiovisual Integration
Andersen, T. (Lecturer)
18 Feb 2015
Activity: Talks and presentations › Conference presentations

10th Danish-French workshop in Spatial Statistics
Guillot, G. (Invited speaker)
2014
Activity: Talks and presentations › Conference presentations

Assessment committee PhD Scholarships, DTU compute (External organisation)
Guillot, G. (Participant)
10 Nov 2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Modeling categorial audiovisual perception: pitfalls and solutions
Andersen, T. (Lecturer)
7 Nov 2014
Activity: Talks and presentations › Conference presentations

Workshop on effects of global change on species' range fluctuations using intra-specific genetic variation in both phenotypic and molecular data
Guillot, G. (Invited speaker)
Activity: Talks and presentations › Conference presentations
An Introduction to Multisensory Perception
Andersen, T. (Lecturer)
2 Sep 2014
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society
Krohne, L. K. (Participant)
Activity: Attending an event › Participating in or organising a conference

Early Maximum-Likelihood Estimation as a model of audiovisual integration of speech
Andersen, T. (Lecturer)
11 Jun 2014
Activity: Talks and presentations › Conference presentations

Lecture
Guillot, G. (Lecturer)
Apr 2014
Activity: Talks and presentations › Conference presentations

Seminar of the Department of Biology
Guillot, G. (Participant)
Apr 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

17th International Conference on Artificial Intelligence and Statistics
Hansen, S. T. (Participant)
22 Apr 2014 → 25 Apr 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Computational Models of Attention and Perception
Andersen, T. (Lecturer)
28 Jan 2014
Activity: Talks and presentations › Conference presentations

Journal of the Royal Statistical Society (Journal)
Guillot, G. (Editor)
1 Jan 2014 → 31 Dec 2014
Activity: Research › Journal editor

Member of the Editorial Board Population Ecology (External organisation)
Guillot, G. (Participant)
1 Jan 2014 → 31 Dec 2014
Activity: Membership › Board duties in companies, associations, or public organisations

Arieties of cross-modal interactions and multi-sensory integration effects: Invited lecture at Otto-von-Guericke-Universität Magdeburg, Germany
Andersen, T. (Lecturer)
29 Nov 2013
Activity: Talks and presentations › Conference presentations

An Introduction to Multisensory Perception
Andersen, T. (Guest lecturer)
9 Sep 2013
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities
Estimating the phylogenetic history for two related populations: A Hidden Markov Model approach to finding phylogenetic trees
Guillot, G. (Internal examiner)
Jul 2013
Activity: Examinations and supervision › Internal examination

Journal of the Royal Statistical Society, series A (Journal)
Guillot, G. (Editor)
2012 → 2014
Activity: Research › Journal editor

Prizes:

Molecular Ecology best reviewer 2013
Gilles Guillot (Recipient), Jan 2013
Prize: Prizes, scholarships, distinctions

Press clippings:

Banksy in Boston? Nope, just bots in Copenhagen
Sune Lehmann Jørgensen
04/12/2013
1 media contribution
Press / Media