Publications:

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

Active Self-Tracking of Subjective Experience with a One-Button Wearable: A Case Study in Military PTSD
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Data Mining and Visualization of Large Human Behavior Data Sets
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

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

Rethinking Hearing Aid Fitting by Learning From Behavioral Patterns
Publication: Research - peer-review › Article in proceedings – 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

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

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

Assessing Levels of Attention Using Low Cost Eye Tracking
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Design of Cognitive Interfaces for Personal Informatics Feedback
Publication: Research › Ph.D. thesis – Annual report year: 2016

Obtaining Data on Hearing Experience Through Self-tracking
Publication: Research - peer-review › Article in proceedings – 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

Mobile Phones as Cognitive Systems
Publication: Research › Ph.D. thesis – 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

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

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

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

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

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

Measuring Large-Scale Social Networks with High Resolution
Publication: Research - peer-review › Journal article – Annual report year: 2014

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

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

The Smartphone Brain Scanner: A Portable Real-Time Neuroimaging System
Publication: Research - peer-review › Journal article – Annual report year: 2014

Visualizing multi-channel networks
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014
Visualizing QS Data Using Time Spirals
Publication: Research - peer-review › Poster – Annual report year: 2014

Your heart might give away your emotions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

A Mobile Personal Informatics System with Interactive Visualizations of Mobility and Social Interactions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

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

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

Participatory Bluetooth Sensing: A Method for Acquiring Spatio-Temporal Data about Participant Mobility and Interactions at Large Scale Events
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Personal Informatics in the Wild: Hacking Habits for Health & Happiness
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

QS Spiral: Visualizing Periodic Quantified Self Data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Spatio temporal media components for neurofeedback
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

A Cross-Platform Smartphone Brain Scanner
Publication: Research - peer-review › Paper – Annual report year: 2012

An Evaluation of EEG Scanner’s Dependence on the Imaging Technique, Forward Model Computation Method, and Array Dimensionality
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Get Mobile – The Smartphone Brain Scanner
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Mobile Context-Aware Support for Public Transportation Users
Publication: Research - peer-review › Book chapter – Annual report year: 2012

Personal informatics in practice: Improving quality of life through data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

A Festival-wide Social Network using 2D Barcodes, Mobile Phones and Situated Displays
Publication: Research - peer-review › Journal article – Annual report year: 2011

A Smartphone Interface for a Wireless EEG Headset with Real-Time 3D Reconstruction
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011
Augmenting the Sound Experience at Music Festivals using Mobile Phones
Publication: Research › Article in proceedings – Annual report year: 2011

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

Mobile Context Toolbox - An Extensible Context Framework for the Maemo Platform
Publication: Research › Article in proceedings – Annual report year: 2011

Observing the context of use of a media player on mobile phones using embedded and virtual sensors
Publication: Research › Article in proceedings – Annual report year: 2011

Semantiske analysemodeller: Med fokus på brugergeneret data
Publication: Research › Report – Annual report year: 2011

Smartphones Get Emotional: Mind Reading Images and Reconstructing the Neural Sources
Publication: Research › Article in proceedings – Annual report year: 2011

Enabling Festival-wide Social Network Interaction using 2D Barcodes, Mobile Phones and Situated Displays
Publication: Research › Article in proceedings – Annual report year: 2010

Estimating Human Predictability From Mobile Sensor Data
Publication: Research › Article in proceedings – Annual report year: 2010

Mobile Context Toolbox: An Extensible Context Framework for the Maemo Platform
Publication: Research › Article in proceedings – Annual report year: 2010

MuZeeker - Adapting a music search engine for mobile phones
Publication: Research › Book chapter – Annual report year: 2010

Observing the Context of Use of a Media Player on Mobile Phones using Embedded and Virtual Sensors
Publication: Research › Article in proceedings – Annual report year: 2010

People, places and playlists: modeling soundscapes in a mobile context
Publication: Research › Article in proceedings – Annual report year: 2010

Predictability of Mobile Phone Associations
Publication: Research › Article in proceedings – Annual report year: 2010

Mobile Context Toolbox: an extensible context framework for S60 mobile phones
Publication: Research › Poster – Annual report year: 2009

Mobile Context Toolbox - an extensible context framework for S60 mobile phones
Publication: Research › Article in proceedings – Annual report year: 2009

Using mobile phone contextual information to facilitate managing image collections
Publication: Research › Article in proceedings – Annual report year: 2009

Mobile Users: Comparing Trends in Denmark and Britain
Publication: Research › Article in proceedings – Annual report year: 2008
MuZeeker: a domain specific Wikipedia-based search engine
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Usability Testing of Pilot Services
Publication: Research - peer-review › Report – Annual report year: 2008

Challenges in Navigation and Management of Mobile Media
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Defining Usability of PN Services: My Personal Adaptive Global NET, Project no.: IST-FP6-IP-027396/MAGNET Beyond
Publication: Research - peer-review › Report – Annual report year: 2007

Mobile Probing Kit: User-centered development of personal networks services and applications
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Towards defining usability and user experience of mobile networks systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Usability of PN Services (Low-fi Prototyping): My Personal Adaptive Global NET and Beyond
Publication: Research - peer-review › Report – Annual report year: 2007

User centricity in MAGNET and MAGNET Beyond
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

User-Centricity in MAGNET and MAGNET Beyond
Publication: Research - peer-review › Report – Annual report year: 2007

Draft User Functionalities and Interfaces of PN Services (Low-fi Prototyping): My Personal Adaptive Global NET and Beyond
Publication: Research - peer-review › Report – Annual report year: 2006

User participation in the development of mobile Personal Network services
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

NEXUS: A Unified Approach to Personal Information Management in Interactive Systems
Publication: Research › Ph.D. thesis – Annual report year: 2005

Eight Fallacies of Distributed User Interfaces
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

GLOBE: a highly available and scalable tuplespace
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Distributed Services Paradigm - Usability Consequence
Publication: Research - peer-review › Poster – Annual report year: 2001

Combining Java Technologies to Build a Transparent and Robust Messaging Service
Publication: Research - peer-review › Article in proceedings – Annual report year: 2000

Presentation of Cyberspace project API's and research prototype demonstration
Publication: Research › Sound/Visual production (digital) – Annual report year: 2000
Projects:

Data driven UX engineering of cognitive interfaces for augmented hearing
Project: PhD

Smart Manufacturing Frameworks
Project: PhD

Personalizing Hearing Care and Enhancing User Experience by Adapting Devices to the Changing Mobile Context
Project: PhD

Monitoring and modelling of behavioural changes using smartphone and wearable sensing
Project: PhD

Enhancing User Experience in Next Generation Mobile Devices by Combining Eye Tracking with Biometric Data
Project: PhD

Data mining and visualization of human behavior data sets
Project: PhD

Data analysis and participant privacy protection in a large-scale computational social science experiment
Project: PhD

Design of cognitive interfaces for personal informatics feedback
Project: PhD

Mobile Phones as Cognitive Systems
Project: PhD

Design and implementation of personal networked information appliance interfaces
Project: PhD