**Agile Processes in Software Engineering and Extreme Programming.** / Baumeister, Hubert (Editor); Lichter, Horst (Editor); Riebisch, Matthias (Editor). Springer, 2017. 306 p. (Lecture Notes in Business Information Processing, Vol. 283).

Publication: Research › Book – Annual report year: 2018


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

**Beyond Brainstorming: Exploring Convergence in Teams.** / Seeber, Isabella ; de Vreede, Gert-Jan; Maier, Ronald ; Weber, Barbara.


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

**Cheetah Experimental Platform Web 1.0: Cleaning Pupillary Data.** / Zugal, Stefan; Pinggera, Jakob; Neurauter, Manuel; Maran, Thomas; Weber, Barbara.


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

**Compositional Model Checking of Interlocking Systems for Lines with Multiple Stations.** / Macedo, Hugo Daniel dos Santos; Fantechi, Alessandro; Haxthausen, Anne Elisabeth.


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

**Compositional Verification of Interlocking Systems for Large Stations.** / Fantechi, Alessandro; Haxthausen, Anne Elisabeth ; Macedo, Hugo Daniel dos Santos.


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

**Convergence of Crowdsourcing Ideas: A Cognitive Load perspective.** / Fu, Shixuan; de Vreede, Gert-Jan; Cheng, Xusen; Seeber, Isabella ; Maier, Ronald ; Weber, Barbara.


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

**Convergence on Self - Generated vs. Crowdsourced Ideas in Crisis Response: Comparing Social Exchange Processes and Satisfaction with Process.** / Seeber, Isabella ; Merz, Alexander B. ; Maier, Ronald ; Vreede, G. J. de ; Weber, Barbara.


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

**Cost-effective evolution of research prototypes into end-user tools: The MACH case study.** / Störrle, Harald.


Publication: Research - peer-review › Journal article – Annual report year: 2015

**Designing Visual Decision Making Support with the Help of Eye-tracking.** / Weber, Barbara; Gulden, Jens; Burattin, Andrea .


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

**Detection and quantification of flow consistency in business process models.** / Burattin, Andrea; Bernstein, Vered ; Neurauter, Manuel; Soffer, Pnina; Weber, Barbara.

**Digitalising the General Data Protection Regulation with Dynamic Condition Response Graphs.** / Heuck, Emil; Hildebrandt, Thomas; Klaerulf Lerche, Rasmus; Marquard, Morten; Normann, Hakon; Iven Stromsted, Rasmus; Weber, Barbara. 
Publication: Research › Peer-review › Article in proceedings – Annual report year: 2017

**Domain Specific Language for Modeling Waste Management Systems.** / Zarrin, Bahram; Baumeister, Hubert (Main supervisor); Damgaard, Anders (Supervisor). 
Publication: Research › Ph.D. thesis – Annual report year: 2017

**Do we educate engineers that can engineer?** / Nyborg, Mads; Probst, Christian W. 
Publication: Research › Media – Annual report year: 2017

**Effect of Linked Rules on Business Process Model Understanding.** / Wang, Wei; Indulska, Marta; Sadiq, Shazia; Weber, Barbara. 
Publication: Research › Peer-review › Article in proceedings – Annual report year: 2017

Publication: Research › Peer-review › Article in proceedings – Annual report year: 2017

**Formal Development and Verification of Safe Railway Control Systems.** / Haxthausen, Anne Elisabeth. 
Publication: Research › Poster – Annual report year: 2017

**Formal Modelling and Verification of Interlocking Systems Featuring Sequential Release.** / Vu, Linh Hong; Haxthausen, Anne Elisabeth; Peleska, Jan. 
Publication: Research › Peer-review › Journal article – Annual report year: 2016

**Lost in Time and Space: States of High Arousal Disrupt Implicit Acquisition of Spatial and Sequential Context Information.** / Maran, Thomas; Sachse, Pierre; Martini, Markus; Weber, Barbara; Pinggera, Jakob; Zuggal, Stefan; Furtner, Marco. 
Publication: Research › Peer-review › Journal article – Annual report year: 2017

**Measuring and Explaining Cognitive Load During Design Activities: A fine-grained approach.** / Weber, Barbara; Neurauter, Manuel; Burattin, Andrea; Pinggera, Jakob; Davis, Christopher J. 
Publication: Research › Peer-review › Article in proceedings – Annual report year: 2017

**Model Checking Geographically Distributed Interlocking Systems Using UMC.** / Fantechi, Alessandro; Haxthausen, Anne Elisabeth; Nielsen, Michel Beje Randahl. 
An approach for activity-based DEVS model specification. / Alshareef, Abdurrahman; Sarjoughian, Hessam S.; Zarrin, Bahram.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Clone Detection for Graph-Based Model Transformation Languages. / Strüber, Daniel; Plöger, Jennifer; Acretoaie, Vlad.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Comparing formal verification approaches of interlocking systems. / Haxthausen, Anne Elisabeth; Nguyen, Hoang Nga; Roggenbach, Markus.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Compositional Verification of Multi-Station Interlocking Systems. / Macedo, Hugo Daniel dos Santos; Fantechi, Alessandro; Haxthausen, Anne Elisabeth.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Defining Effectiveness Using Finite Sets A Study on Computability. / Macedo, Hugo Daniel dos Santos; Haeusler, Edward H.; Garcia, Alex.
Publication: Research - peer-review › Conference article – Annual report year: 2016

Formal Development and Verification of Safe Railway Control Systems. / Haxthausen, Anne Elisabeth (Invited author).
Publication: Research - peer-review › Poster – Annual report year: 2016

Gaussian elimination is not optimal, revisited. / Macedo, Hugo Daniel.
Publication: Research - peer-review › Journal article – Annual report year: 2016

How do humans inspect BPMN models: an exploratory study. / Haisjackl, Cornelia; Soffer, Pnina; Lim, Shao Yi; Weber, Barbara.
Publication: Research - peer-review › Journal article – Annual report year: 2016

IT-Supported Formal Control: How Perceptual (in)Congruence Affects the Convergence of Crowd-Sourced Ideas. / Seeber, Isabella; Waizenegger, Lena; Demetz, Lukas; Merz, Alexander B.; Vreede, G. J. de; Maier, Ronald; Weber, Barbara.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Large-scale Optimization of Contoured Beam Reflectors and Reflectarrays. / Borries, Oscar; Sørensen, Stig B.; Jørgensen, Erik; Zhou, Min; Andersen, Martin Skovgaard; Sokoler, Leo Emil.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Model Manipulation for End-User Modelers. / Acretoaie, Vlad; Störrle, Harald (Supervisor).
Kgs. Lyngby : Technical University of Denmark (DTU), 2016. 254 p. (DTU Compute PHD-2016; No. 405).
On the Feasibility of a Unified Modelling and Programming Paradigm. / Haxthausen, Anne Elisabeth; Peleska, Jan. 

On the impact of size to the understanding of UML diagrams. / Störrle, Harald. 

On the significance of the noise model for the performance of a linear MPC in closed-loop operation. / Hagdrup, Morten; Boiroux, Dimitri; Mahmoudi, Zeinab; Madsen, Henrik; Poulsen, Niels Kjeldstad; Poulsen, Bjarne; Jørgensen, John Bagterp. 

On the Use of Static Checking in the Verification of Interlocking Systems. / Haxthausen, Anne Elisabeth; Østergaard, Peter H. 

Pragmatics annotated coloured petri nets for protocol software generation and verification. / Simonsen, Kent Inge Fagerland; Kristensen, Lars M.; Kindler, Ekkart. 

On the Use of Static Checking in the Verification of Interlocking Systems. / Haxthausen, Anne Elisabeth; Østergaard, Peter H. 


The impact of working memory and the “process of process modelling” on model quality: Investigating experienced versus inexperienced modellers. / Martini, Markus; Pinggera, Jakob; Neurauter, Manuel; Sachse, Pierre; Furtner, Marco R.; Weber, Barbara. 
In: Scientific Reports, Vol. 6, 25561, 2016.

The innovation element of the diploma (b.eng.) programs at DTU. / Nyborg, Mads; Christiansen, Nynne Budtz. 
Publication: Research - peer-review › Journal article – Annual report year: 2016

Publication: Research - peer-review › Book chapter – Annual report year: 2015

Publication: Research - peer-review › Editorial – Annual report year: 2015

Publication: Research - peer-review › Book – Annual report year: 2015

Publication: Research - peer-review › Book – Annual report year: 2015

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

Capabilities For Modelling Of Conversion Processes In Life Cycle Assessment. / Damgaard, Anders; Zarrin, Bahram; Tonini, Davide; Baumeister, Hubert; Astrup, Thomas Fruergaard. 2015. Abstract from Sardinia 2015 - 15th International Waste Management and Landfill Symposium, Cagliari, Italy.
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Code Generation from Pragmatics Annotated Coloured Petri Nets. / Simonsen, Kent Inge; Kristensen, Lars Michael (Supervisor); Kindler, Ekkart (Main supervisor). Kgs. Lyngby : Technical University of Denmark (DTU), 2015. 296 p. (DTU Compute PHD-2014; No. 345).
Publication: Research › Ph.D. thesis – Annual report year: 2015

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

Publication: Research - peer-review › Book chapter – Annual report year: 2015

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


Transparent Model Transformation: Turning Your Favourite Model Editor into a Transformation Tool. / Acretoaie, Vlad; Störrle, Harald; Strüber, Daniel.
Special issue: Selected papers of BPM 2012 : From the guest editors. / Barros, Alistair; Gal, Avigdor; Kindler, Ekkart.
Publication: Research - peer-review › Editorial – Annual report year: 2014

Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

The Requirements Editor RED. / Störrle, Harald; Kucharek, Maciej.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Towards a model-based development approach for wireless sensor-actuator network protocols. / Kumar S., A. Ajith; Simonsen, Kent Inge.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Towards Diagram Understanding: A Pilot Study Measuring Cognitive Workload Through Eye-Tracking. / Maier, Anja; Baltsen, Nick; Christoffersen, Henrik; Störrle, Harald.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Agile Processes in Software Engineering and Extreme Programming : 14th International Conference, XP 2013, Vienna, Austria, June 3-7, 2013. Proceedings. / Baumeister, Hubert (Editor); Weber, Barbara (Editor).
Publication: Research - peer-review › Book – Annual report year: 2013

Applied Bounded Model Checking for Interlocking System Designs. / Haxthausen, Anne Elisabeth; Peleska, Jan; Pinger, Ralf.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

A Rigorous Methodology for Analyzing and Designing Plug-Ins. / Fasie, Marieta V.; Haxthausen, Anne Elisabeth; Kiniry, Joseph.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

A simulator for high-level Petri nets: An ePNK application. / Kindler, Ekkart; Laganeckas, Mindaugas.
Publication: Research - peer-review › Journal article – Annual report year: 2013

Code Generation for Protocols from CPN models Annotated with Pragmatics. / Simonsen, Kent Inge; Kristensen, Lars Michael; Kindler, Ekkart.
Publication: Research › Report – Annual report year: 2013

Compositional Synthesis of Controllers from Scenario-Based Assume-Guarantee Specifications. / Greenyer, Joel; Kindler, Ekkart.
LCA of waste management systems: Development of tools for modeling and uncertainty analysis. / Clavreul, Julie; Christensen, Thomas Højlund (Main supervisor); Baumeister, Hubert (Supervisor).
Publication: Research › Ph.D. thesis – Annual report year: 2013

Making sense to modelers: Presenting UML class model differences in prose. / Störrle, Harald.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

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

Modelling sensitivity and uncertainty in a LCA model for waste management systems - EASETECH. / Damgaard, Anders; Clavreul, Julie; Baumeister, Hubert; Christensen, Thomas Højlund.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Publication: Research › Report – Annual report year: 2013

Querying Business Process Models with VMQL. / Störrle, Harald; Acretoaie, Vlad.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Simulation Tool For Energy Consumption and Production : The development of a simulation tool for measuring the impact of a smart grid on a building. / Nysteen, Michael; Mynderup, Henrik; Poulsen, Bjarne; Traeholt, Chresten.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

SmartNursing - a mobile application to improve communication in home care. / Nyborg, Mads; Bashir, Khurram; Maknickaite, Asta.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

The Overture Approach to VDM Language Evolution. / Battle, Nick; Haxthausen, Anne Elisabeth; Hiroshi, Sako; Jørgensen, Peter; Plat, Nico; Sahara, Shin; Verhoef, Marcel.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

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

Towards a Formal Methods Body of Knowledge for Railway Control and Safety Systems : FM-RAIL-BOK Workshop 2013. / Gruner, Stefan (Editor); Haxthausen, Anne Elisabeth (Editor); Maibaum, Tom (Editor); Roggenbach, Markus (Editor).
Publication: Research › Report – Annual report year: 2013
Towards an Operationalization of the “Physics of Notations” for the Analysis of Visual Languages. / Störrle, Harald; Fish, Andrew.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Utilizing a Flexibility Interface for Distributed Energy Resources Through a Cloud-Based Service. / Orda, Lasse Dreisig; Bach, Jesper; Pedersen, Anders Bro; Poulsen, Bjarne; Hansen, Lars Henrik.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

CO2NSL (Datalogger). / Andersen, Sune Sick; Gustafsson, Finn (Supervisor).
Technical University of Denmark (DTU), 2012. 96 p.
Publication: Research - peer-review › Report – Annual report year: 2012

MQ-2 A Tool for Prolog-based Model Querying. / Acretoaie, Vlad; Störrle, Harald.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Timing Analysis of Mixed-Criticality Hard Real-Time Applications Implemented on Distributed Partitioned Architectures. / Marinescu, Sorin Ovidiu; Tamas-Selicean, Domitian; Acretoaie, Vlad; Pop, Paul.
Publication: Research - peer-review › Paper – Annual report year: 2013

Publication: Research › Report – Annual report year: 2010