An Integrated Framework to Specify Domain-Specific Modeling Languages. / Zarrin, Bahram; Baumeister, Hubert.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Blockchains for Business Process Management - Challenges and Opportunities. / Mendling, Jan; Weber, Ingo; Van Der Aalst, Wil; Brocke, Jan vom; Cabanillas, Cristina; Daniel, Florian; Debois, Soren; Di Ciccio, Claudio; Dumas, Marlon; Dustdar, Schahram; Gal, Avigdor; Garcia-Banuelos, Luciano; Governator, Guido; Hull, T. Richard; La Rosa, Marcello; Leopold, Henrik; Leymann, Frank; Recker, Jan; Reichert, Manfred; Reijers, Hajo A.; Rinderle-Ma, Stefanie; Rogge-Solti, Andreas; Rosemann, Michael; Schulte, Stefan; Singh, Munindar P.; SlabBERS, Tij; Staples, Mark; Weber, Barbara; Weidlich, Matthias; Weske, Mathias; Xu, Xiwei; Zhu, Liming.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Clinical Processes - The Killer Application for Constraint-Based Process Interactions. / Jiménez-Ramírez, Andrés; Barba, Irene; Reichert, Manfred; Weber, Barbara; Del Valle, Carmelo.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Smart grid communication infrastructure comparison-for distributed control of distributed energy resources using internet of things devices. / Petersen, Bo Seborg; Bindner, Henrik W.; Poulsen, Bjarne; You, Shi.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Streaming Process Discovery and Conformance Checking. / Burattin, Andrea.
Publication: Research - peer-review › Encyclopedia chapter – Annual report year: 2018

Time and activity sequence prediction of business process instances. / Polato, Mirko; Sperduti, Alessandro; Burattin, Andrea; Leoni, Massimiliano de.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Time Prediction on Multi-perspective Declarative Business Processes. / Jiménez-Ramírez, Andrés; Barba, Irene; Fernandez-Olivares, Juan; Del Valle, Carmelo; Weber, Barbara.
In: Knowledge and Information Systems, 2018.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Towards Domain-specific Flow-based Languages. / Zarrin, Bahram; Baumeister, Hubert; Sarjoughian, Hessam S.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

A Domain-Specific Language for Generic Interlocking Models and Their Properties. / Vu, Linh Hong; Haxthausen, Anne Elisabeth; Peleska, Jan.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

A Framework for Online Conformance Checking. / Burattin, Andrea; Carmona, Josep .
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Agile Processes in Software Engineering and Extreme Programming. / Baumeister, Hubert (Editor); Lichter, Horst (Editor); Riebisch, Matthias (Editor).
Algorithms and Tools for Petri Nets - Proceedings of the Workshop AWPN 2017. / Kindler, Ekkart (Editor); Bergenthum, Robin (Editor).
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.
Publication: Research - peer-review › Journal article – Annual report year: 2017

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

Domain Specific Language for Modelling 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 - peer-review › Article in proceedings – 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

ePNK Applications and Annotations. / Kindler, Ekkart.
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.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Online Conformance Checking for Petri Nets and Event Streams. / Burattin, Andrea.
Smart Grid Communication Comparison. / Petersen, Bo Søborg; Bindner, Henrik W.; Poulsen, Bjarne; You, Shi.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart Grid Communication Middleware Comparison. / Petersen, Bo Søborg; Bindner, Henrik W.; Poulsen, Bjarne; You, Shi.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart Grid Communication Middleware Comparison distributed control comparison for the Internet of Things. / Petersen, Bo Søborg; Bindner, Henrik W.; Poulsen, Bjarne; You, Shi.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart Grid Serialization Comparison. / Petersen, Bo Søborg; Bindner, Henrik W.; You, Shi; Poulsen, Bjarne.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

The Choice Is Yours: The Role of Cognitive Processes for IT-Supported Idea Selection. / Seeber, Isabella; Weber, Barbara; Maier, Ronald; Vreede, Gert-Jan.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Visualization of the Evolution of Layout Metrics for Business Process Models. / Haisjackl, Cornelia; Burattin, Andrea; Soffer, Pnina; Weber, Barbara.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Algebraic Varieties and System Design. / Aabrandt, Andreas; Træholt, Chresten (Supervisor); Hansen, Vagn Lundsgaard (Supervisor); Poulsen, Bjarne (Supervisor).
Technical University of Denmark, Department of Electrical Engineering, 2016. 123 p.
Publication: Research › Ph.D. thesis – Annual report year: 2017

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

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

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

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

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

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

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

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
An institution for object-z with inheritance and polymorphism. / Baumeister, Hubert; Bettaz, Mohamed; Maouche, Mourad; Mosteghanemi, M’hamed.

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

Application and Theory of Petri Nets and Other Models of Concurrency : Special Issue of Selected Papers from Petri Nets 2014. / Ciardo, Gianfranco; Kindler, Ekkart; Penczek, Wojciech.
In: Fundamenta Informaticae, Vol. 140, No. 1, 2015, p. V-VI.
Publication: Research - peer-review › Editorial – Annual report year: 2015

Behavior Modeling — Foundations and Applications : International Workshops, BM-FA 2009-2014, Revised Selected Papers. / Roubtsova, Ella (Editor); McNeile, Ashley (Editor); Kindler, Ekkart (Editor); Gerth, Christian (Editor).
Publication: Research - peer-review › Book – Annual report year: 2015

Bx 2015 — Bidirectional Transformations : Proceedings of the 4th International Workshop on Bidirectional Transformations. / Cunha, Alcino (Editor); Kindler, Ekkart (Editor).
Publication: Research - peer-review › Book – Annual report year: 2015

Capabilities for modelling of conversion processes in LCA. / Damgaard, Anders; Zarrin, Bahram; Tonini, Davide; Baumeister, Hubert; Astrup, Thomas Fruegraag.
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 Fruegraag.
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

Developing merged CDIO based curricula for diploma (B.Eng.) IT study programs at DTU. / Nyborg, Mads; Probst, Christian W.; Stassen, Flemming.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Effective and efficient model clone detection. / Störrle, Harald.
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Efficient Model Querying with VMQL. / Acretoaie, Vlad; Störrle, Harald.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

First International Workshop on Human Factors in Modeling (HuFaMo 2015) : Preface. / Störrle, Harald; Chaudron, Michel R. V.; Amaral, Vasco; Goulão, Miguel.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

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

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

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

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

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

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

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

Publication: Research › Report – Annual report year: 2013

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

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

Formal Development and Verification of Railway Control Systems. / Vu Hong, Linh; Haxthausen, Anne Elisabeth; Peleska, Jan., 2013. Abstract from Strategisk forskning i transport og infrastruktur, Kongens Lyngby, Denmark.
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Formal Development and Verification of Safe Railway Control Systems. / Haxthausen, Anne Elisabeth; Vu Hong, Linh. 2013. Poster session presented at Danish Railway Conference 2013, Copenhagen, Denmark.
Publication: Research - peer-review › Poster – Annual report year: 2013

Formal Model-Based Validation for Tally Systems. / Cochran, Dermot; Kiniry, Joseph.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

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

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

Improving modeling with layered UML diagrams. / Störrle, Harald.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Improving the Usability of OCL as an Ad-hoc Model Querying Language. / Störrle, Harald.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Integrating Intelligent Electric Devices into Distributed Energy Resources in a Cloud-Based Environment. / Petersen, Bo Søborg; Winther, D.; Pedersen, Anders Bro; Poulsen, Bjarne; Træholt, Chresten.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Intelligent Electric Vehicle Integration - Domain Interfaces and Supporting Informatics. / Andersen, Peter Bach; Østergaard, Jacob (Main supervisor); Poulsen, Bjarne (Supervisor); Gantenbein, Dieter (Supervisor).
Kgs. Lyngby : Technical University of Denmark (DTU), 2013. 188 p.
Publication: Research › Ph.D. thesis – Annual report year: 2013

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.

Modelling sensitivity and uncertainty in a LCA model for waste management systems - EASETECH. / Damgaard, Anders; Clavreul, Julie; Baumeister, Hubert; Christensen, Thomas Højlund. Proceedings Sardinia 2013. CISA Publisher, 2013.


SmartNursing - a mobile application to improve communication in home care. / Nyborg, Mads; Bashir, Khurram; Maknickaite, Asta. eTELEMED 2013 : The Fifth International Conference on eHealth, Telemedicine, and Social Medicine. IARIA, 2013. p. 265-270.

The Overture Approach to VDM Language Evolution. / Battle, Nick; Haxthausen, Anne Elisabeth; Hiroshi, Sako; Jørgensen, Peter; Plat, Nico; Sahara, Shin; Verhoef, Marcel. Proceedings of the 11th Overture Workshop. ed. / Ken Pierce; Stefan Hallerstedt. 2013. p. 8-15.


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). Kgs. Lyngby : Technical University of Denmark (DTU), 2013. 50 p. (DTU Compute-Technical Report-2013; No. 20).

**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

**An Introduction to Formal Methods for the Development of Safety-critical Applications.** / Haxthausen, Anne Elisabeth.
Publication: Research › Report – Annual report year: 2010