
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 Cicco, Claudio; Dumas, Marlon; Dustdar, Schahram; Gal, Avigdor; Garcia-Banuelos, Luciano; Governatori, 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.; Slats, Tijs; 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

ePNK Applications and Annotations: A Simulator for YAWL Nets. / Kindler, Ekkart.

Publication: Research - peer-review › Book chapter – Annual report year: 2018


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

Mining Developers' Workflows from IDE Usage. / Ioannou, Constantina; Burattin, Andrea; Weber, Barbara.

Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Online Conformance Checking Using Behavioural Patterns. / Burattin, Andrea; van Zelst, Sebastiaan J.; Armas-Cervantes, Abel; van Dongen, Boudewijn F.; Carmona, Josep.

Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

OSSINT - Open Source Social Network Intelligence: An efficient and effective way to uncover "private" information in OSN profiles. / Cascavilla, Giuseppe; Beato, Filipe; Burattin, Andrea; Contí, Mauro; Mancini, Luigi Vincenzo.
In: Online Social Networks and Media, 2018, p. 58 - 68.

Publication: Research - peer-review › Journal article – 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

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 › Journal article – 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

Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Who is behind the Model? Classifying Modelers based on Pragmatic Model Features. / Burattin, Andrea; Soffer, Pnina; Fahland, Dirk; Mendling, Jan; Reijers, Hajo A.; Vanderfeesten, Irene; Weidlich, Matthias; Weber, Barbara. International Conference on Business Process Management. 2018. (Lecture Notes in Computer Science).
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

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

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

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

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

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

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.

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

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

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; Kærulf Lerche, Rasmus; Marquard, Morten; Normann, Håkon; Iven Strømsted, Rasmus; Weber, Barbara.

Domain Specific Language for Modeling Waste Management Systems. / Zarrin, Bahram; Baumeister, Hubert (Main supervisor); Damgaard, Anders (Supervisor).
Publication: Research - peer-review › Poster – Annual report year: 2016

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

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

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

Publication: Research - peer-review › Book chapter – Annual report year: 2016
SaRDIn - A Safe Reconfigurable Distributed Interlocking. / Fantechi, A.; Gnesi, S.; Haxthausen, Anne Elisabeth; van de Pol, J.; Roveri, M.; Treharne, H.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

SaRDIn - A Safe Reconfigurable Distributed Interlocking. / Fantechi, Alessandro; Gnesi, S.; Haxthausen, Anne Elisabeth; van de Pol, J.; Roveri, M.; Treharne, H.
Publication: Research - peer-review › Poster – Annual report year: 2016

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

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

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

VMTL: a language for end-user model transformation. / Acretoaie, Vlad; Störrle, Harald; Strüber, Daniel.
Publication: Research - peer-review › Journal article – 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. / Roubltsova, 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 Frueergaard.
An Institution for Imperative RSL Specifications. / Haxthausen, Anne Elisabeth.


Applied Bounded Model Checking for Interlocking System Designs. / Haxthausen, Anne Elisabeth; Peleska, Jan; Pinger, Ralf.

Automated generation of formal safety conditions from railway interlocking tables. / Haxthausen, Anne Elisabeth.

Complete Model-Based Equivalence Class Testing for the ETCS Ceiling Speed Monitor. / Braunstein, Cécile; Haxthausen, Anne Elisabeth; Huang, Wen-ling; Hübner, Felix; Peleska, Jan; Schulze, Uwe; Vu, Linh Hong.

Coordinating Interactions: The Event Coordination Notation. / Kindler, Ekkart.

Design of a Domain-Specific Language for Material Flow Analysis using Microsoft DSL tools: An Experience Paper. / Zarrin, Bahram; Baumeister, Hubert.

EASETECH – A LCA model for assessment of environmental technologies. / Damgaard, Anders; Baumeister, Hubert; Astrup, Thomas Fruergaard; Christensen, Thomas Højlund.

Efficient Representation of Timed UML 2 Interactions. / Knapp, Alexander; Störrle, Harald.

Electric vehicle integration in a real-time market. / Pedersen, Anders Bro; Østergaard, Jacob (Main supervisor); Poulsen, Bjarne (Supervisor); Gantenbein, Dieter (Supervisor).

FMI 2014 - Free Models Initiative: Workshop Proceedings. / Störrle, Harald (Editor); Hebig, Regina (Editor); Knapp, Alexander (Editor).
FM-RAIL-BOK organizers' message. / Gruner, Stefan; Haxthausen, Anne Elisabeth; Maibaum, Tom; Roggenbach, Markus.

Publication: Research - peer-review › Preface/postscript – Annual report year: 2014

Formal Modeling and Verification of Interlocking Systems Featuring Sequential Release. / Vu, Linh Hong; Haxthausen, Anne Elisabeth; Peleska, Jan.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Formal Verification of the Danish Railway Interlocking Systems. / Vu, Linh Hong; Haxthausen, Anne Elisabeth; Peleska, Jan.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

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

Hypersonic: Model Analysis and Checking in the Cloud. / Acretoaie, Vlad; Störrle, Harald.
Proceedings of the 2nd Workshop on Scalability in Model Driven Engineering (BigMDE 2014). ed. / Dimitris Kolovos; Davide Di Ruscio; Nicholas Matragkas; Juan De Lara; István Ráth; Massimo Tisi. 2014. p. 3-13 (CEUR Workshop Proceedings; No. 1206).
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Hypersonic - Model Analysis as a Service. / Acretoaie, Vlad; Störrle, Harald.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Implementing the WebSocket Protocol Based on Formal Modelling and Automated Code Generation. / Simonsen, Kent Inge; Kristensen, Lars Michael.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Modeling Requirements with RED. / Störrle, Harald.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

On the Impact of Diagram Layout: How Are Models Actually Read? / Störrle, Harald; Baltsen, Nick; Christoffersen, Henrik; Maier, Anja.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014


Proceedings of the joint track "Tools", "Demos", and "Posters" of ECOOP, ECSA, and ECMFA, 2013. / Carré, Bernard (Editor); Sahroui, Houari (Editor); Störrle, Harald (Editor). Technical University of Denmark (DTU), 2014. 52 p. (DTU Compute-Technical Report-2014; No. 01).


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

Efficient Development and Verification of Safe Railway Control Software. / Haxthausen, Anne Elisabeth; Peleska, Jan.
Publication: Research - peer-review › Book chapter – Annual report year: 2013

Food Spoilage and Safety Predictor (FSSP) software. / Dalgaard, Paw; Mejholm, Arne; Olesen, Niels; Maftei, Elena.
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
