An Integrated Framework to Specify Domain-Specific Modeling Languages
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Blockchains for Business Process Management - Challenges and Opportunities
Publication: Research - peer-review › Journal article – Annual report year: 2018

Clinical Processes - The Killer Application for Constraint-Based Process Interactions
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
Publication: Research - peer-review › Journal article – Annual report year: 2018

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

Time and activity sequence prediction of business process instances
Publication: Research - peer-review › Journal article – Annual report year: 2018

Towards Domain-specific Flow-based Languages
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

A Domain-Specific Language for Generic Interlocking Models and Their Properties
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

A Framework for Online Conformance Checking
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Agile Processes in Software Engineering and Extreme Programming
Publication: Research › Book – Annual report year: 2018
Algorithms and Tools for Petri Nets - Proceedings of the Workshop AWPN 2017
Publication: Research - peer-review › Report – Annual report year: 2017

Beyond Brainstorming: Exploring Convergence in Teams
Publication: Research - peer-review › Journal article – Annual report year: 2017

Cheetah Experimental Platform Web 1.0: Cleaning Pupillary Data
Publication: Research - peer-review › Journal article – Annual report year: 2017

Compositional Model Checking of Interlocking Systems for Lines with Multiple Stations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Compositional Verification of Interlocking Systems for Large Stations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Convergence of Crowdsourcing Ideas: A Cognitive Load perspective
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
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
Publication: Research - peer-review › Journal article – Annual report year: 2015

Designing Visual Decision Making Support with the Help of Eye-tracking
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Detection and quantification of flow consistency in business process models
Publication: Research - peer-review › Journal article – Annual report year: 2017

Digitalising the General Data Protection Regulation with Dynamic Condition Response Graphs
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Domain Specific Language for Modeling Waste Management Systems
Do we educate engineers that can engineer?

Effect of Linked Rules on Business Process Model Understanding

ePNK Applications and Annotations


Formal Development and Verification of Safe Railway Control Systems
Haxthausen, A. E. 2017

Formal modelling and verification of interlocking systems featuring sequential release

Lost in Time and Space: States of High Arousal Disrupt Implicit Acquisition of Spatial and Sequential Context Information

Measuring and Explaining Cognitive Load During Design Activities: A fine-grained approach

Model Checking Geographically Distributed Interlocking Systems Using UMC

Online Conformance Checking for Petri Nets and Event Streams

Smart grid communication comparison: Distributed control middleware and serialization comparison for the Internet of Things
Smart Grid Communication Infrastructure Comparison
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart Grid Communication Middleware Comparison
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart Grid communication middleware comparison distributed control comparison for the internet of things
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart Grid Serialization Comparison
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart grid serialization comparison: Comparision of serialization for distributed control in the context of the Internet of Things
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

The Choice Is Yours: The Role of Cognitive Processes for IT-Supported Idea Selection
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Visualization of the Evolution of Layout Metrics for Business Process Models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

WoPeD - A "Proof-of-Concept" Platform for Experimental BPM Research Projects
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

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

An approach for activity-based DEVS model specification
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Clone Detection for Graph-Based Model Transformation Languages
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Comparing formal verification approaches of interlocking systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Compositional Verification of Multi-Station Interlocking Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Defining Effectiveness Using Finite Sets A Study on Computability
Publication: Research - peer-review › Conference article – Annual report year: 2016

Formal Development and Verification of Safe Railway Control Systems
Haxthausen, A. E. 2016
Publication: Research - peer-review › Poster – Annual report year: 2016

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

How do humans inspect BPMN models: an exploratory study
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
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Large-scale Optimization of Contoured Beam Reflectors and Reflectarrays
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Model Manipulation for End-User Modelers
Publication: Research › Ph.D. thesis – Annual report year: 2016

On the Feasibility of a Unified Modelling and Programming Paradigm
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

On the impact of size to the understanding of UML diagrams
Publication: Research - peer-review › Journal article – Annual report year: 2016
Behavior Modeling -- Foundations and Applications: International Workshops, BM-FA 2009-2014, Revised Selected Papers
Publication: Research - peer-review › Book – Annual report year: 2015

Bx 2015 — Bidirectional Transformations: Proceedings of the 4th International Workshop on Bidirectional Transformations
Publication: Research - peer-review › Book – Annual report year: 2015

Capabilities for modelling of conversion processes in LCA
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Capabilities For Modelling Of Conversion Processes In Life Cycle Assessment
Damgaard, A., Zarrin, B., Tonini, D., Baumeister, H. & Astrup, T. F. 2015
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Code Generation from Pragmatics Annotated Coloured Petri Nets
Publication: Research › Ph.D. thesis – Annual report year: 2015

Developing merged CDIO based curricula for diploma (B.Eng.) IT study programs at DTU
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

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

Efficient Model Querying with VMQL
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

First International Workshop on Human Factors in Modeling (HuFaMo 2015): Preface
Publication: Research - peer-review › Preface/postscript – Annual report year: 2015

Formal Development and Verification of Railway Control Systems - In the context of ERTMS/ETCS Level 2
Publication: Research › Ph.D. thesis – Annual report year: 2015

Formal Modeling and Verification of Interlocking Systems Featuring Sequential Release
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015
Publication: Research - peer-review › Book – Annual report year: 2013

Applied Bounded Model Checking for Interlocking System Designs
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

A Rigorous Methodology for Analyzing and Designing Plug-Ins
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

A simulator for high-level Petri nets: An ePNK application
Kindler, E. & Laganeckas, M. 2013 In : Petri Net Newsletter. 82, p. 3–19
Publication: Research - peer-review › Journal article – Annual report year: 2013

Code Generation for Protocols from CPN models Annotated with Pragmatics
Publication: Research › Report – Annual report year: 2013

Compositional Synthesis of Controllers from Scenario-Based Assume-Guarantee Specifications
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Efficient Development and Verification of Safe Railway Control Software
Publication: Research - peer-review › Book chapter – Annual report year: 2013

Food Spoilage and Safety Predictor (FSSP) software
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Formal Development and Verification of Railway Control Systems
Vu Hong, L., Haxthausen, A. E. & Peleska, J. 2013
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Formal Development and Verification of Safe Railway Control Systems
Haxthausen, A. E. & Vu Hong, L. 2013
Publication: Research - peer-review › Poster – Annual report year: 2013

Formal Model-Based Validation for Tally Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013
Generating Protocol Software from CPN Models Annotated with Pragmatics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

How Do Developers Use APIs? A Case Study in Concurrency
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

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

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

Integrating Intelligent Electric Devices into Distributed Energy Resources in a Cloud-Based Environment
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Intelligent Electric Vehicle Integration - Domain Interfaces and Supporting Informatics
Publication: Research › Ph.D. thesis – Annual report year: 2013

LCA of waste management systems: Development of tools for modeling and uncertainty analysis
Publication: Research › Ph.D. thesis – Annual report year: 2013

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

MOCQL: A Declarative Language for Ad-Hoc Model Querying
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Modelling sensitivity and uncertainty in a LCA model for waste management systems - EASETECH
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

PetriCode: A Tool for Template-based Code Generation from CPN Models
Publication: Research › Report – Annual report year: 2013

Querying Business Process Models with VMQL
Simulation Tool For Energy Consumption and Production: The development of a simulation tool for measuring the impact of a smart grid on a building

SmartNursing - a mobile application to improve communication in home care

The Overture Approach to VDM Language Evolution

Towards a CPN-Based Modelling Approach for Reconciling Verification and Implementation of Protocol Models


Towards an Operationalization of the "Physics of Notations" for the Analysis of Visual Languages

Utilizing a Flexibility Interface for Distributed Energy Resources Through a Cloud-Based Service

CO2NSL (Datalogger)
Andersen, S. S. & Gustafsson, F. 2012 Technical University of Denmark (DTU). 96 p.

MQ-2 A Tool for Prolog-based Model Querying

Timing Analysis of Mixed-Criticality Hard Real-Time Applications Implemented on Distributed Partitioned Architectures

An Introduction to Formal Methods for the Development of Safety-critical Applications