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
Publication: Research › Ph.D. thesis – Annual report year: 2017

Do we educate engineers that can engineer?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Effect of Linked Rules on Business Process Model Understanding
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

ePNK Applications and Annotations
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, A. E. 2017
Publication: Research › Poster – Annual report year: 2017

Formal modelling and verification of interlocking systems featuring sequential release
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
Publication: Research - peer-review › Journal article – Annual report year: 2017
Model Checking Geographically Distributed Interlocking Systems Using UMC
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Online Conformance Checking for Petri Nets and Event Streams
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart Grid Communication Comparison: Distributed Control Middleware and Serialization Comparison for the Internet of Things
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart grid communication comparison: Distributed control middleware and serialization comparison for the Internet of Things
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: 2018

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

Visualization of the Evolution of Layout Metrics for Business Process Models
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
Comparing formal verification approaches of interlocking systems

Compositional Verification of Multi-Station Interlocking Systems

Defining Effectiveness Using Finite Sets A Study on Computability

Formal Development and Verification of Safe Railway Control Systems
Haxthausen, A. E. 2016

Gaussian elimination is not optimal, revisited

How do humans inspect BPMN models: an exploratory study

IT-Supported Formal Control: How Perceptual (in)Congruence Affects the Convergence of Crowd-Sourced Ideas

Large-scale Optimization of Contoured Beam Reflectors and Reflectarrays

Model Manipulation for End-User Modelers

On the Feasibility of a Unified Modelling and Programming Paradigm

On the impact of size to the understanding of UML diagrams
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
Model Checking and Model-based Testing in the Railway Domain

Pragmatics Annotated Coloured Petri Nets for Protocol Software Generation and Verification


The Event Coordination Notation: Behaviour Modelling Beyond Mickey Mouse

Towards Separation of Concerns in Flow-Based Programming

Transparent Model Transformation: Turning Your Favourite Model Editor into a Transformation Tool

A SysML Test Model and Test Suite for the ETCS Ceiling Speed Monitor: Technical report, Work Package 4

A Domain-Specific Language for Railway Interlocking Systems

An environmental assessment system for environmental technologies
Clavreul, J., Baumeister, H., Christensen, T. H. & Damgaard, A. 2014 In: Environmental Modelling & Software. 60, p. 18-30
An Evaluation of Automated Code Generation with the PetriCode Approach
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

An Index for Software Engineering Models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

An Institution for Imperative RSL Specifications
Publication: Research - peer-review › Book chapter – Annual report year: 2014

Publication: Research - peer-review › Book – Annual report year: 2014

Applied Bounded Model Checking for Interlocking System Designs
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Automated generation of formal safety conditions from railway interlocking tables
Publication: Research - peer-review › Journal article – Annual report year: 2014

Complete Model-Based Equivalence Class Testing for the ETCS Ceiling Speed Monitor
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Coordinating Interactions: The Event Coordination Notation
Publication: Research › Report – Annual report year: 2014

Design of a Domain-Specific Language for Material Flow Analysis using Microsoft DSL tools: An Experience Paper
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

EASETECH – A LCA model for assessment of environmental technologies
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Efficient Representation of Timed UML 2 Interactions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014
Electric vehicle integration in a real-time market
Publication: Research › Ph.D. thesis – Annual report year: 2015

FMI 2014 - Free Models Initiative: Workshop Proceedings
Publication: Research › Report – Annual report year: 2014

FM-RAIL-BOK organizers' message
Publication: Research - peer-review › Preface/postscript – Annual report year: 2014

Formal Modeling and Verification of Interlocking Systems Featuring Sequential Release
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Formal Verification of the Danish Railway Interlocking Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

From Pen-and-Paper Sketches to Prototypes: The Advanced Interaction Design Environment
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Hypersonic: Model Analysis and Checking in the Cloud
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Hypersonic - Model Analysis as a Service
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Implementing the WebSocket Protocol Based on Formal Modelling and Automated Code Generation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Modeling Requirements with RED
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014
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 Railway Control Systems
Haxthausen, A. E. & Vu Hong, L. 2013
Publication: Research - peer-review › Poster – Annual report year: 2013

Formal Development and Verification of Safe Railway Control Systems
Haxthausen, A. E. & Vu Hong, L. 2013
Publication: Research - peer-review › Conference abstract for conference – 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 Impleented on Distributed Partitioned Architectures

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