Software Engineering - Publications - DTU Orbit (05/05/2018)

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

Time Prediction on Multi-perspective Declarative Business Processes
Publication: Research - peer-review › Journal article – Annual report year: 2018

Toward an Automated Labeling of Event Log Attributes
Publication: Research - peer-review › Article in proceedings – 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
Domain Specific Language for Modeling Waste Management Systems
Publications: Research › Ph.D. thesis – Annual report year: 2017

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

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

ePNK Applications and Annotations
Publications: Research › peer-review › Article in proceedings – Annual report year: 2017

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

Formal Development and Verification of Safe Railway Control Systems
Haxthausen, A. E. 2017
Publications: Research › Poster – Annual report year: 2017

Formal modelling and verification of interlocking systems featuring sequential release
Publications: 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
Publications: Research › peer-review › Journal article – Annual report year: 2017

Measuring and Explaining Cognitive Load During Design Activities: A fine-grained approach
Publications: Research › peer-review › Article in proceedings – Annual report year: 2017

Model Checking Geographically Distributed Interlocking Systems Using UMC
Publications: Research › peer-review › Article in proceedings – Annual report year: 2017

Online Conformance Checking for Petri Nets and Event Streams
Publications: 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
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
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
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