An Integrated Framework to Specify Domain-Specific Modeling Languages

Blockchains for Business Process Management - Challenges and Opportunities

Clinical Processes - The Killer Application for Constraint-Based Process Interactions

Controlling entity ICT reference architecture: distributed control architecture for distributed systems

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

Mining Developers’ Workflows from IDE Usage

Online Conformance Checking Using Behavioural Patterns

OSSINT - Open Source Social Network Intelligence: An efficient and effective way to uncover "private" information in OSN profiles
Cascavilla, G., Beato, F., Burattin, A., Conti, M. & Mancini, L. V. 2018 In : Online Social Networks and Media. p. 58 - 68

Proceedings of the International Workshop on Petri Nets and Software Engineering (PNSE'18)

Safety Interlocking as a Distributed Mutual Exclusion Problem
Smart grid communication infrastructure comparison for distributed control of distributed energy resources using internet of things devices

Stepwise Development and Model Checking of a Distributed Interlocking System - Using RAISE

Streaming Process Discovery and Conformance Checking

The Choice Is Yours: The Role of Cognitive Processes for IT-Supported Idea Selection

Time and activity sequence prediction of business process instances

Time Prediction on Multi-perspective Declarative Business Processes

Toward an Automated Labeling of Event Log Attributes

Towards Domain-specific Flow-based Languages

Understandability of Hybrid Process Models Using DCR Graphs

Who is behind the Model? Classifying Modelers based on Pragmatic Model Features

A Domain-Specific Language for Generic Interlocking Models and Their Properties
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 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
08252264
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
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
Capabilities For Modelling Of Conversion Processes In Life Cycle Assessment
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

Model Checking and Model-based Testing in the Railway Domain
Publication: Research › Book chapter – Annual report year: 2015

Pragmatics Annotated Coloured Petri Nets for Protocol Software Generation and Verification
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015
Publication: Research - peer-review › Book – Annual report year: 2015

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

The Event Coordination Notation: Behaviour Modelling Beyond Mickey Mouse
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Towards Separation of Concerns in Flow-Based Programming
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Transparent Model Transformation: Turning Your Favourite Model Editor into a Transformation Tool
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

A SysML Test Model and Test Suite for the ETCS Ceiling Speed Monitor: Technical report, Work Package 4
Publication: Research › Report – Annual report year: 2014

A Domain-Specific Language for Railway Interlocking Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

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

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 – 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

On the Impact of Diagram Layout: How Are Models Actually Read?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

On the Impact of Layout Quality to Understanding UML Diagrams: Size Matters
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

PetriCode: A Tool for Template-Based Code Generation from CPN Models
Towards a CPN-Based Modelling Approach for Reconciling Verification and Implementation of Protocol Models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Publication: Research › Report – Annual report year: 2013

Towards an Operationalization of the "Physics of Notations" for the Analysis of Visual Languages
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Utilizing a Flexibility Interface for Distributed Energy Resources Through a Cloud-Based Service
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

CO2NSL (Datalogger)
Andersen, S. S. & Gustafsson, F. 2012 Technical University of Denmark (DTU). 96 p.
Publication: Research - peer-review › Report – Annual report year: 2012

MQ-2 A Tool for Prolog-based Model Querying
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
Publication: Research - peer-review › Paper – Annual report year: 2013

An Introduction to Formal Methods for the Development of Safety-critical Applications
Publication: Research › Report – Annual report year: 2010