PNSE'23 Programme

Tuesday, June 27th, 2023

Time	Slot type	Authors/Remarks
Chair:	Heiko Rölke	
09:15 - 09:30	Opening	Opening: Daniel Moldt & Heiko Rölke
09:30 – 10:30	Short Paper Presentations Each Talk: 15+5	Michael Köhler-Bußmeier and Lorenzo Capra: *Robustness: A natural Definition based on Nets-within-Nets* Lars Kristensen, Keila Lima, Thanh Nguyen, Rogardt Heldal and Tosin Oyetoyan: *Towards a Formal and Executable Software Architecture Specification of the Smart Ocean Data Service Platform* Tom Meyer: *A Symmetric Petri Net Model of Generic Publish-Subscribe Systems for Verification and Business Process Conformance Checking*
10:30 – 11:00	Coffee Break	
Chair:	Daniel Moldt	
11:00 – 12:30	PNSE Long Paper Presentations Each Talk: 25+5	Theresa Werner, Christof Päßler, Martin Richter, Ivo Kabadshow and Matthias Werner: *A Petri-Net-Based Approach to Modeling Communication Algorithms for HPC Molecular Dynamics Simulations* Yann Thierry-Mieg: *Efficient Strategies to Compute Invariants, Bounds and Stable Places of Petri nets* Michael Köhler-Bußmeier and Heiko Rölke: *Petri-Nets@Run.Time: Handling Uncertainty during Run-Time Adaptation using Digital Twins*
12:30 – 14:00	Lunch Break	
Chair:	NN	
14:00 – 15:00	Invited Talk 45+15	Wojciech Penczek: Model checking of strategic timed tempoarl logics
15:00 – 15:30	Long Paper Presentation: 25+5	Federica Adobbati, Luca Bernardinello and Lucia Pomello: *Solving a safety game on the unfolding of safe Petri nets*
15:30 - 16:00	Coffee Break	
Chair:	NN	
16:00 – 17:00	Short Paper Presentations Each Talk: 15+5	Kyle Dingenouts, Mitchell Klijs and Jan Martijn van der Werf: *Modeling Interaction-Oriented Architectures using Choreographies* Mohammed Alahmadi: *Parameterised CSA-nets* Salma Alharbi: *Hierarchical Simulation of Timed Behaviours of Structured Occurrence Nets*
17:00 – 17:15	Poster Teaser Presentations Each Teaser: 2	Nadiyah Almutairi: *Probabilistic Behavioural Acyclic Nets* Tuwailaa Alshammari: *Integrating NLP and Structured Occurrence Nets for Crime Modelling: A Pattern-based Approach* Sulochan Naik and Meenakshi D'Souza: Fault Detection in Microservices using Petri Nets Carlos Galindo, Marisa Llorens, Sergio Pérez and Josep Silva: *Context-sensitive analysis of data interference for concurrent programs* Karnika Shivhare and Rushikesh Joshi: Semantic Preserving, Notational and Transformational Challenges in Transfiguring BPMN models into Petri Nets Karnika Shivhare and Rushikesh Joshi: Exploring L* for Process Mining
17:15 – 18:30	Poster Show	Combined with small reception, open end