

PNSE'24 Program

Monday, June 24th, 2024

Time	Slot type	Authors/Remarks
Chair:	Michael Köhler-Bußmeier	
09:00 - 09:05	Opening	Opening: Daniel Moldt, Michael Köhler-Bußmeier and Heiko Rölke
09:05 - 10:35	Long Presentation (25+5) Short Presentations (15+5)	Francesco Di Cosmo, Soumodev Mal and Tephilla Prince: Deciding Reachability and Coverability in Lossy EOS Nadiyah Almutairi, Tuwailaa Alshammari and Mohammed Alahmadi: Process Mining representation using Communication Structured Acyclic Nets (CSA-nets) Akshit Rajput, Karnika Shivhare and Rushikesh Joshi: PLD-SiM: Process Line Diagram Simulator and Modeler Tuwailaa Alshammari: Extracting data from unstructured crime text to represent in Structured Occurrence Nets using Natural Language Processing
10:35 - 11:00	Coffee Break	
Chair:	Daniel Moldt	
11:00 - 12:30	Long Presentation (25+5) Short Presentations (15+5)	Maciej Koutny and Marta Pietkiewicz-Koutny: Synthesizing ENI-Systems with Interval Order Semantics Lorenzo Capra, Michael Köhler-Bußmeier, Heiko Rölke and Jan Sudeikat: The Life-Cycle of Sonar-Models: A Round Trip for Models from Design to Run-Time and Back Again Kamila Barylska and Anna Gogolinska: Petri nets in modeling glucose regulating processes in the liver Michael Köhler-Bußmeier and Heiko Rölke: Design of Multi-Agent Organisations: Predicting Co-Evolutionary Adaption
12:30 - 13:30	Lunch Break	
Chair:	Michael Köhler-Bußmeier	
13:30 - 15:00	Long Presentation (25+5) Short Presentations (15+5)	Julian Gaede, Judith-Henrike Overath and Sophie Wallner: Automatic Modularization of Place/Transition Nets Jose Ignacio Requeno, Elena Gómez-Martínez, Hannes Kallwies, Melanie Hausteijn, Martin Leucker, Volker Stolz and Patrick Stünkel: Runtime Verification of Timed Petri Nets Thomas M. Prinz, Julien Klaus and Nick van Beest. Pushing the Limits: Concurrency Detection in Acyclic Sound Free-Choice Workflow Nets in $O(P^2 + T^2)$ Simon Bott, Daniel Moldt, Laif-Oke Clasen and Marcel Hansson: Discussion of Verification and Modeling of some new P/T-Nets with Synchronous Channels
15:00 - 15:30	Coffee Break	
Chair:	Heiko Rölke	
15:30 - 17:20	Long Presentation (25+5) Short Presentations (15+5)	Franck Pommereau and Cedric Gauchere: A multivalued, spatialized, and timed modelling language for social-ecological systems Luis Gomes, José Ribeiro-Gomes and Joao-Paulo Barros: Using Petri nets for analysis of navigation paths in constrained graphs - application to roguelike games Laif-Oke Clasen, Sophie Bartelt, Yannik Stahl and Daniel Moldt: Distributed P/T Net Simulation Prototypes Based on Event Streaming

		Nuno Fernandes, João Paulo Barros and Rogério Campos-Rebello: Leveraging High-Level Petri Nets for Cyber-Physical Systems Development Karsten Wolf: How to Verify Aggregating Global Properties
17:20 – 17:30	Poster Teaser Presentations Each Teaser: 2	Nicola Cotumaccio and Catia Trubiani: Convex Petri Nets Karnika Shivhare and Rushikesh K. Joshi: Mining Modular Structure of Processes using Process Line Diagrams Mustafa Ghani and Holger Giese: Portable Nets: Modeling and Verification of Business Processes with multiple start and end points
17:30	Poster Presentations	Combined with small reception, open end

Tuesday, June 25th, 2024

Time	Slot type	Authors/Remarks
Chair:	Heiko Rölke	
09:00 – 10:00	PNSE & PENGE Invited Talk	Wil M.P. van der Aalst: Lifting Process Discovery and Conformance Checking to the Next Level: A General Approach to Object-Centric Process Mining
10:00 – 10:30	Coffee Break	