## PNSE’23 Programme

**Tuesday, June 27th, 2023**

<table>
<thead>
<tr>
<th>Time</th>
<th>Slot type</th>
<th>Authors/Remarks</th>
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<tr>
<td>09:15 - 09:30</td>
<td>Opening</td>
<td>Opening: Daniel Moldt &amp; Heiko Rölke</td>
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| 09:30 – 10:30 | Short Paper Presentations     | 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                  |                                                                                |
| 11:00 – 12:30 | PNSE Long Paper Presentations | 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                   |                                                                                |
| 14:00 – 15:00 | Invited Talk                  | Wojciech Penczek:  
  Model checking of strategic timed temporal logics |
| 15:00 – 15:30 | Long Paper Presentation       | Federica Adobbati, Luca Bernardinello and Lucia Pomello: \*Solving a safety game on the unfolding of safe Petri nets\* |
| 15:30 - 16:00 | Coffee Break                  |                                                                                |
| 16:00 – 17:00 | Short Paper Presentations     | 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   | Nadiyah Almutairi: \*Probabilistic Behavioural Acyclic Nets\*  
  Tuwaila 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                                       |