

# Programme PNSE-14

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## Monday – June, 23rd

- 08:30 – 09:30 Registration

### Session 1 – Chair: Heiko Rölke 09:30 – 11:00

- 09:30 – 09:40 PNSE Opening (Daniel Moldt, Heiko Rölke)
- Short Presentations (talk 22', q&a 4-5')
  - Ikhlef Lyes, Lekadir Ouiza and Djamil Aissani:  
Performance Analysis of M/G/1 Retrial Queue with Finite Source Population Using Markov Regenerative Stochastic Petri Nets
  - Kamila Barylska:  
Persistency and Nonviolence Decision Problems in p/t-nets with step semantics
  - Kerstin Irgang and Thomas Irgang:  
Visual Language Plans - Formalization of a Pedagogical Learnflow Modeling Language

### Coffee Break 11:00 – 11:30

### Session 2 – Chair: Robert Lorenz 11:30 – 13:00

- Long Presentations (talk 35', q&a 10')
  - Robin Bergenthum and Joachim Schick:  
Verification of Logs - Revealing Faulty Processes of a Medical Laboratory
  - Ramchandra Phawade and Kamal Lodaya:  
Kleene theorems for labelled free choice nets

### Lunch Break 13:00 – 14:30

### Session 3 – Chair: Heiko Rölke 14:30 – 16:00

- Short Presentations (talk 22', q&a 8')
  - Fernando Tricas, José Manuel Colom, and Juan Julián Merelo:  
Computing minimal siphons in Petri net models of Resource Allocation Systems: an evolutionary approach
  - Djaouida Dahmani, Mohand Cherif Boukala, and Hassan Mountassir:  
Reusing and Adapting Components using atomic and non-atomic Strong Synchronisations
  - Zohra Sbaï, Kamel Barkaoui, and Hanifa Boucheneb:  
Compatibility Analysis of Time Open Workflow Nets

### Coffee Break 16:00 – 16:30

### Session 4 – Chair: Raymond Devillers 16:30 – 18:00

- Short Presentations (talk 22', q&a 8')
  - Yasir Imtiaz Khan and Nicolas Guelfi:  
Slicing High-level Petri nets
  - Dennis Schunselaar, Eric Verbeek, Wil van der Aalst, and Hajo A. Reijers:  
Petra: A Tool for Analysing a Process Family
  - Ning Ge and Marc Pantel:  
Real-Time Property Specific Reduction for Time Petri Net

## Tuesday – June, 24th

- 08:30 – 09:00 Registration

### Session 5 – Chair: Heiko Rölke 09:00 – 11:00

- Long Presentations (talk 35', q&a 10')
  - Artur Niewiadomski and Wojciech Penczek:  
SMT-based Abstract Temporal Planning
  - Kais Klai:  
On-The-Fly Model Checking of Timed Properties on Time Petri Nets
- Poster Presentations (30')

### Coffee Break & Poster Presentation 11:00 – 12:00

### Session 6 – Chair: Piotr Chrzastowski-Wachtel 12:00 – 13:00

- Invited Talk (talk 50', q&a 10')
  - Lars Michael Kristensen:  
An Approach for the Engineering of Protocol Software from Coloured Petri Net Models: A Case Study of the IETF WebSocket Protocol

### Lunch Break 13:00 – 14:30

### Session 7 – Chair: Luca Bernardinello 14:30 – 16:15

- Long Presentation (talk 35', q&a 10')
  - Mihai Lica Pura and Didier Buchs:  
Using Symbolic Techniques and Algebraic Petri Nets to Model Check Security Protocols for Ad Hoc Networks
- Short Presentations (talk 22', q&a 8')
  - Messaoud Rahim, Malika Boukala-loualalen, and Ahmed Hammad:  
Petri Nets Based Approach for Modular Verification of SysML Requirements on Activity Diagrams
  - Kent Inge Fagerland Simonsen:  
An Evaluation of Automated Code Generation with the PetriCode Approach

### Coffee Break 16:15 – 16:30

### Session 8 – Chair: Dennis Schunselaar 16:30 – 18:00

- Short Presentation (talk 22', q&a 8')
  - Luca Bernardinello, Lucia Pomello, and Stefano Scaccabarozzi  
Morphisms on Marked Graphs
  - Jörg Desel and Görkem Kılınc:  
Liveness Implies Observable Liveness if Uncontrollable Behavior is Deterministic
- Closing of PNSE (Daniel Moldt, Heiko Rölke)