

EPEW 2021

Conference program

We consider CET (Central European Time)

Day 1: December 9

8:45-9:00 Opening Session

9:00 – 10:00: Keynote Talk by Jean-Michel Fourneau (Session Chair: TBD)

General matching models

10:00-10:30 : break

10:30-12:00 : Session 1 : Queueing systems and applications (Session Chair: TBD)

- **Enrico Barbierato**, Marco Gribaudo, Giuseppe Serazzi and Letizia Tanca, Performance evaluation of a Data Lake architecture via modeling techniques
- **Jean-Michel Fourneau**, Yann Ben Maissa, Loubna Echabbi, Edouard Longueville and Houda Lotfi, Computing bounds for delay in a stochastic network
- **Nguyen Quoc Hung** and Tuan Phung-Duc, Mixture Density Networks as a general framework for estimation and prediction of waiting time distributions in queueing systems

12:00-13:30: lunch break

13:30-15:00: session 2 : Modeling techniques (Session Chair: TBD)

- **Ohud Almutairi** and Nigel Thomas, Modelling a fair-exchange protocol in the presence of misbehaviour using PEPA
- Marco Beccuti, Paolo Castagno, Giuliana Franceschinis, Marzio Pennisi and **Simone Pernice**, A Petri net formalism to study systems at different scales exploiting Agent-Based and Stochastic Simulations
- **Ivan Malakhov**, Carlo Gaetan, Andrea Marin and Sabina Rossi, Workload prediction in BTC blockchain and application to the confirmation time estimation

Day 2: December 10th

9:00-10:00 : Keynote by Dieter Fiems (Session Chair: TBD)

Rational traffic advice for rush hour commuting

10:00-10:30: break

10:30-12:00: Session 3: Markov chains and simulation (Session Chair: TBD)

- **Susmoy Das** and Arpit Sharma, State Space Minimization Preserving Embeddings for Continuous-Time Markov Chains
- Szilveszter Nadas, Balazs Varga, Illes Horvath, **Andras Meszaros** and Miklos Telek, Multi-timescale fairness for heterogeneous broadband traffic in access-aggregation networks

- **Matej Hajnal**, Tatjana Petrov and David Šafránek, DiPS: A Tool for Data-informed Parameter Synthesis for Discrete-Time Markov Chains from Multiple-Property Specifications

12:00-12:30 Closing Session