Wednesday 12th October

08:45 Registration

09:15 Welcome
Nigel Thomas, Newcastle University

09:30 Invited talk

Engineering of Self-Aware IT Systems and Services: State-of-the-Art
Samuel Kounev

10:30 Coffee break

11:00 Session 1
Stephen Gilmore, University of Edinburgh

Comparison of the mean-field approach and simulation in a peer-to-peer botnet case study
Anna Kolesnichenko, Anne Remke, Pieter-Tjerk De Boer and Boudewijn Haverkort

Stochastic Restricted Broadcast Process Theory
Fatemeh Ghassemi, Mahmoud Talebi, Ali Movaghar and Wan Fokkink

Higher moment analysis of a spatial stochastic process algebra
Marcel Guenther and Jeremy Bradley

12:30 Lunch

13:30 Session 2
Pieter-Tjerk de Boer, University of Twente

Accommodating short and long web traffic flows over a DiffServ architecture
Salvador Alcaraz, Katja Gilly, Carlos Juiz and Ramon Puigjaner
Formal Mapping of WSLA Contracts on Stochastic Models  
Rouaa Yassin Kassab and Aad van Moorsel

Optimization for Multi-Thread Data Flow Software  
Helmut Hlavacs and Michael Nussbaumer

15:15 Social event

18:00 Poster session

Can Linear Approximation Improve Performance Prediction?  
Vlastimil Babka and Petr Tůma

TwoEagles: A Model Transformation Tool from Architectural Descriptions to Queueing Networks  
Marco Bernardo, Vittorio Cortellessa and Mirko Flammini

A tool suite for modelling spatial interdependencies of distributed systems with Markovian Agents  
Davide Cerotti, Enrico Barbierato and Marco Gribaudo

A Grid Broker Pricing Mechanism for Temporal and Budget Guarantees  
Richard Kavanagh and Karim Djemame

Visualisation for Stochastic Process Algebras: The Graphic Truth  
Michael Smith and Stephen Gilmore

Efficient Experiment Selection in Automated Software Performance Evaluations  
Dennis Westermann, Rouven Krebs and Jens Happe

19:30 Dinner
Thursday 13th October

09:00 Invited talk

Performance Engineering for Cloud Computing
John Murphy

10:00 Session 3

Automatic Synchronisation Detection in Petri Net
Nigel Thomas, Newcastle University
Performance Models Derived from Location Tracking Data
Nikolas Anastasiou, William Knottenbelt and Andrea Marin

10:30 Coffee break

11:00 Session 4

Monotonicity and Efficient Computation of Bounds with Time Parallel Simulation
Richard Hayden, Imperial College London
Jean-Michel Fourneau and Franck Quessette

On Stochastic Fault-Injection for IP-Packet Loss Emulation
Philipp Reinecke and Katinka Wolter

Critical level policies in lost sales inventory systems with different demand classes
Aleksander Wieczorek, Ana Busic and Emmanuel Hyon

12:30 Lunch
14:00 Session 5

| Performance Evaluation of Business Processes through a Formal Transformation to SAN |
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| Kelly Rosa Braghetto, João Eduardo Ferreira and Jean-Marc Vincent |

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<th>Model-based Evaluation and Improvement of PTP Syntonisation Accuracy in Packet-Switched Backhaul Networks for Mobile Applications</th>
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<td>Katinka Wolter, Philipp Reinecke and Alfons Mittermaier</td>
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<th>RIOT - A Parallel Input/Output Tracer</th>
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15:30 Break

16:00 Session 6

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<th>Analysis of Gossip-based Information Propagation in Wireless Mesh Networks</th>
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<th>Multi-class Network with Phase Type Service Time and Group Deletion Signal</th>
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<th>WMTTrace - A Lightweight Memory Allocation Tracker and Analysis Framework</th>
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17:30 Close

19:30 Dinner