

UKPEW 2017 Agenda

Monday 11th December

10.45 – 11.30 Registration with refreshments

11.30 – 12.30 Invited talk

Isi Mitrani

Resource Allocation Problems in Clouds

12.30 – 1.30 Lunch

1.30 – 3.00 Session 1: Cloud Computing

Abdulaziz Alnori and Karim Djemame

A Holistic Resource Management for Graphics Processing Units in Cloud Computing

Adam Cattermole and Matthew Forshaw

An automated approach to Cloud Performance Benchmarking

Bashir Mohammed, Babagana Modu, Ifran Awan, Mariam Kiran, Hassan Ugail and Kabiru M Maiyama

Failure Analytics Modelling in an Infrastructure as a Service (IaaS) Environment

3.00 – 3.30 Refreshment Break

3.30 – 5.00 Session 2: Networks

Rana Rashid Ahmed and Demeteres Kouvatsos

An Efficient CoMP-based Handover Scheme for Evolving Wireless Networks

Zhenyu Chen, Lin Guan and Xingang Wang

Interactive Behaviour Between Dynamic Arrival Process of Complex Traffic Source and Bottleneck Queue

Ejike Chuku and Demetres Kouvatsos

Scalability Impact on the Performance of Secured Cognitive Radio Networks

Tuesday 12th December

9.30 – 10.30 Invited talk

Peter Harrison

Product form queueing networks with batches

10.30 – 11.00 Refreshments break

11.00 – 12.30 Session 3: Security and Risk

Mohammed Alqahtani and Aad van Moorsel

Risk Assessment Methodology for EMV Financial Transaction Systems

Hamad Al-Mohannadi, Mohsan Yasin and Irfan Awan

Improving Network Security with Honeypots Log Analysis

Maher Alharby and Aad van Moorsel

The Impact of Profit Uncertainty on Miner Decisions in Blockchain Systems

12.30 – 1.30 Lunch

1.30 – 3.00 Session 4: HPC and Cloud

Dean G. Chester, Steven A. Wright and Stephen A. Jarvis

Understanding Communication Patterns in HPCG

Jamie Roberts and Karim Djemame

Containers vs. Virtual Machines: Performance Evaluation of HPC Mini-Apps on the Cloud

Dominic Brown, Steven Wright and Stephen Jarvis

Performance of a Second Order Electrostatic Particle-in-Cell Algorithm on Modern Many-Core Architectures

3.00 – 3.30 Refreshments and workshop close