

REFT workshop

Preliminary Programme

0845 to 1030

Introduction and Welcome

Alexander Romanovsky

Using domain models to specify systems (invited talk)

Ian Hayes

Formal Service-Oriented Development of Fault Tolerant Communicating Systems

Linas Laibinis, Elena Troubitsyna, Sari Leppanen, Johan Lilius and Qaisar Malik

Towards a methodology for rigorous development of generic requirements patterns

Colin Snook, Michael Poppleton and Ian Johnson

Analyzing Fault-Tolerant Systems with FAUST (demonstration)

C.Ponsard, P. Massonet and J.F. Molderez

1030 to 1100 COFFEE and FAUST demonstration

1100 to 1230

Software Technologies in Call 5 and FP7 (invited presentation)

Jose Fernandez-Villacanas

Rigorous Fault Tolerance Using Aspects and Formal Methods (invited presentation)

Shmuel Katz

The Fault-Tolerant Insulin Pump Therapy

Alfredo Capozucca, Nicolas Guelf and Patrizio Pelliccione

Omnibus: A clean language and supporting tool for integrating different assertion-based verification techniques (short presentation)

Thomas Wilson, Savi Mahara and Robert Clark

Towards Formal Development of Mobile Location-based Systems

Alexei Iliasov, Linas Laibinis, Alexander Romanovsky and Elena Troubitsyna

1230 to 1400 LUNCH

1400 to 1530

Examples of how to Determine the Specifications of Control Systems

Joey Coleman and Cliff Jones

FMEA- technique of Web Services Analysis and Dependability Ensuring

Anatoliy Gorbenko, Vyacheslav Kharchenko and Olga Tarasyuk

Modelling Fault Tolerance of Transient Faults

Dubravka Ilic and Elena Troubitsyna

1530 to 1600 COFFEE

1600 to 1800

Application of Event B to Global Causal Ordering for Fault Tolerant Transactions

Divakar Yadav and Michael Butler

Are Practitioners Writing Contracts?

Patrice Chalin

Modeling and Analysis of Architectural Exceptions

Fernando Castor Filho, Patrick Henrique da S.Brito and Cecilia Mary F.Rubria

Examining BPEL's Compensation Construct (short presentation)

Joey Coleman

On Specification and Verification of Location-based Fault Tolerant Mobile Systems

Alexei Iliasov, Victor Khomenko, Maciej Koutny and Alexander Romanovsky

Discussion and Wrap-up