

The 3rd International Service Availability Symposium (ISAS 2006)

Helsinki, Finland, May 15-16, 2006

Program

Monday May 15, 2006

08:15 Registration

08:45 Welcome

Papers track 1: Availability Modeling, Estimation and Analysis

09:00 Model Based Approach for Autonomic Availability Management
Kesari Mishra

09:30 Analysis of a Service Degradation Model with Preventive Rejuvenation
Hiroyuki Eto and Tadashi Dohi

10:00 Break

10:30 Estimating SLAs Availability/Reliability in Multi-Services IP Networks
Saida Benlarbi

11:00 Making Services Fault Tolerant
Pat Pik Wah Chan, Michael Lyu and Mirosław Malek

11:30 Performability Analysis of Storage Systems in Practice: Methodology and Tools
Hairong Sun, Tina Tyan, Steve Johnson, Richard Elling, Nisha Talagala and Robert B. Wood

12:00 Lunch

Keynote

13:00 Incremental Software Construction: Methodology and Correctness Aspects
Ralph-Johan Back

Papers track 2: Dependability Techniques and their Applications

14:00 Using Web Service Transformations to Implement Cooperative Fault Tolerance
Toshiyuki Moritsu, Junichi Toyouchi, Matti A. Hiltunen, Richard D. Schlichting, Yasuharu Namba

14:30 Reducing the Recovery Times of IP-Phones in an H.323 based VoIP System
Sachin Garg, Chandra Kintala and David Stott

15:00 Break

15:30 Hardware instruction counting for log-based rollback recovery on x86-family processors
Daniel Stodden, Hubert Eichner, Max Walter and Carsten Trinitis

16:00 Improving Robustness Testing of COTS OS Extensions
Constantin Sârbu, Andréas Johansson, Falk Fraikin and Neeraj Suri

16:30 Transparent Checkpointing for Applications with Graphical User Interfaces
Jan-Thomas Czornack, Carsten Trinitis and Max Walter

17:00 Adjourn

19:00 Conference dinner

Tuesday May 16, 2006

Papers track 3: Performability: Measurements and Assessments

- 09:00 Assessing Software Reliability From The Customer's Perspective
Mario R. Garzia
- 09:30 Performance Measurement and Tuning of Hot-Standby Databases
Antoni Wolski and Vilho Raatikka
- 10:00 A Simulation-Based Case Study Multi-Cluster Redundancy Solutions
Maria Toeroe
- 10:30 Break
- 11:00 Inconsistency Evaluation in a Replicated IP-based Call Control System
Thibault Renier, Erling Matthiesen, Hans-Peter Schwefel and Ramjee Prasad
- 11:30 Measuring the dependability of Web Services for use in e-Science experiments
Peter Li, Yuhui Chen and Alexander Romanovsky
- 12:00 Lunch

EU Dependability Projects track

- 13:00 European Security Forum for web services, software, and systems (ESFORS)
Jim Clarke
- High DEpendability in IP Based NETworks and Services (HIDENETS)
Manfred Reitenspieß
- Global System for Telematics (GST)
Gerard Segarra
- Dependable Security by Enhanced Reconfigurability (DESEREC)
Benoit Bruyere
- 14:40 Break

Papers track 4: Service Availability Standards: Experience Reports and Futures

- 15:00 Making Legacy Services Highly Available with OpenAIS: An Experience Report
András Kövi, Dániel Varró and Zoltán Németh
- 15:30 Using openAIS for Building Highly Available Session Initiation Protocol (SIP) Registrar
Ajay Kamalvanshi and Timo Jokiahho
- 16:00 Searching for Synergy: Java and SAF AIS
T. Laine, J. Biró, J. Riihelä, J. Jensen, M. Karlson and P. Kristiansson
- 16:30 The Emerging SAF Software Management Framework
M. Toeroe, P. Frejek, F. Tam, S. Penubolu and K. Kasturi
- 17:00 The Service Availability Forum Security Service (SEC): Status and Future Directions
P. Badovinatz, S. Balakrishnan, M. Pourzandi, M. Reitenspieß and C. Tindel
- 17:30 Closing Remarks
- 17:45 Close