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 Miroslaw 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, Andrées 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*

13:00  High DEpendability in IP Based NETworks and Services (HIDENETS)  
       *Manfred Reitenspieß*

13:00  Global System for Telematics (GST)  
       *Gerard Segarra*

13:00  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 Jokiaho*

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