Fast Abstracts

Fast Abstracts at DSN are short presentations, either on new ideas or work in progress, or opinion pieces that can address any issue relevant to dependable systems and networks. Because they are brief and have a later deadline, Fast Abstracts enable their authors to: summarise work that is not yet complete, put forward novel or challenging ideas, state positions on controversial issues, suggest new approaches to the solution of open problems.
Thus, they provide an excellent opportunity to introduce new work, or present radical opinions, and receive early feedback from the community. Contributions are particularly solicited from industrial practitioners and academics that may not have been able to prepare full papers due to time and work pressures, but nevertheless seek an opportunity to engage with the DSN community.

Fast Abstract Chair

Marc-Olivier Killijian, LAAS-CNRS, France

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Michiaki Tatsubori, IBM Research, Japan

Wednesday, June 25th 2008, 11:00-12:30
Chair: M.O. Killijian

Random-walk Gossip-based Manycast with Partition Detection, *Mikael Asplund, Simin Nadjm-Tehrani*

Architecting Fault Tolerance using Abstractions, *Patrick Brito, Rogerio de Lemos, Cecilia Rubira*

A Framework for Assessing the Dependability of Supercomputers via Automatic Log Analysis, *Catello Di Martino, Domenico Cotroneo, Zbigniew Kalbarczyk, Ravishankar K. Iyer*

Black Hole Attack Injection in Ad hoc Networks, *Jesus Friginal, Juan-Carlos Ruiz, David de-Andres, Pedro Gil*

AA – A Software Architecture Aware Environment for Dependable Systems, *Cristina Gacek*

Closing the Dependability Gap: Converging Software Engineering with Middleware, *Karl M. Goeschka, Lorenz Froihofer*

From Dependability to Resilience, *Jean-Claude Laprie*

On The Structure of Unstructured Overlay Networks, *João Leitão, José Pereira, Luís Rodrigues*

Towards Decentralized Management of Graceful Degradation in Distributed Embedded Systems, *Osamah Rawashdeh*

Wednesday, June 25th 2008, 14:00-15:30
Chair: J.-C. Ruiz-Garcia

STAMP: Toward Reclaiming Email Address Privacy, *Kurt Ackermann, Camille Gaspard, Ramana Kompella, Cristina Nita-Rotaru*

Balancing of Dependability and Security in Online Auctions, *Lorenz Froihofer, Karl M. Goeschka*

Dependability Assessment of Operating Systems in Multi-core Architectures, *Gabriela Jacques-Silva, Zbigniew Kalbarczyk, Ravishankar K. Iyer*

Robustness Measurement in OS Forecast and Selection, *Xiaoen Ju, Hengming Zou*

Increasing SoC Dependability via Know Good Tile NoC Testing, *Hans Kerkhoff, Oscar Kuiken, Xiao Zhang*

Workload Representation in the Modeling of Border Inspection Points, *Mayra Sacanamboy, Bojan Cukic*

Thursday, June 26th 2008, 14:00-15:30
Chair: X. Défago

Using Automated Reverse Engineering for the Safe Execution of Untrusted Device Drivers, *Vitaly Chipounov, George Candea, Willy Zwaenepoel*

Detecting Hidden Shared Dependencies via Covert Channels, *Kaustubh Joshi*

Yield Enhancement Techniques for Content-Addressable Memories, *Shyue-Kung Lu, Guan-Quan Lin, Sy-Yen Kuo*

On improving the Reliability of Cluster based Voice over IP Services, *Ayari Narjess, Lefevre Laurent, Barbaron Denis, Primet Pascale*

Self Tuning With Self Confidence, *Miguel Matos, Jose Pereira, Rui Oliveira*

Component-Dependency based Micro-Rejuvenation Scheduling, *Vinaitheerthan Sundaram, Matthew Tan Creti, Rajesh K. Panta, Saurabh Bagchi*