

14th IEEE Workshop on Dependable Parallel, Distributed and Network-Centric Systems

DPDNS '09

Rome, Italy

Held in conjunction with the



[23rd IEEE International Parallel & Distributed Processing Symposium](#)

May 25-29, 2009

Preliminary Program

08.20 - Opening remarks

PROTOCOLS

08:30 - "Message-efficient omission-tolerant consensus with limited synchrony", Carole Delporte-Gallet, Hugues Fauconnier and Andreas Tielmann University Paris Diderot (Paris 7), France, Felix Freiling and Mahir Kilic, University of Mannheim, Germany

09:00 - "APART+: Boosting APART performance via optimistic pipelining of output events", Paolo Romano, Francesco Quaglia and Bruno Ciciani, University of Roma "La Sapienza", Italy

09:30 - "Extending SRT for parallel applications in tiled-CMP architectures", Daniel Sánchez, Juan L. Aragón and José M. García, Universidad de Murcia, Spain

10:00 - COFFEE BREAK

DISTRIBUTED SYSTEMS

10:30 - "Robust CDN replica placement techniques", Samee Khan, North Dakota State University, and Anthony Maciejewski and Howard Siegel, Colorado State University, USA

11:00 - "A flexible and robust lookup algorithm for P2P systems", Mauro Andreolini and Riccardo Lancellotti, University of Modena and Reggio Emilia, Italy

KEYNOTE SPEECH

11:30 - "Resilient computing: An engineering discipline", Luca Simoncini, University of Pisa, Italy

13:00 - LUNCH BREAK

WIRELESS NETWORKS

14:00 - "AVR-INJECT: A tool for injecting faults in wireless sensor nodes", Marcello Cinque, Domenico Cotroneo, Stefano Russo, Catello Di Martino and Alessandro Testa, University of Napoli, Italy

14:30 - "Dependable QoS support in mesh networks", Maria Fazio, Maurizio Paone, Dario Bruneo and Antonio Puliafito, University of Messina, Italy

15:00 - COFFEE BREAK

STORAGE ARCHITECTURES

15:30 - "Byzantine fault-tolerant implementation of a multi-writer regular register", Khushboo Kanjani, Oracle Corporation, and Hyunyoung Lee and Jennifer Welch, Texas A&M University, USA

16:00 - "Storage architecture with integrity, redundancy and encryption", Henning Klein, Fujitsu Siemens Computers, and Jörg Keller, FernUniversitaet in Hagen, Germany

16:30 - "Pre-calculated equation-based decoding in failure-tolerant distributed storage", Peter Sobe, University of Luebeck, Germany

17:00 - Concluding remarks