

Joint Workshop on Dependable Network Computing and Mobile Systems (DNCMS) and Field Failure Data Analysis (F2DA) 2009 Advance Program

(in conjunction with IEEE SRDS 2009, Niagara Falls, NY, USA)

8:00 am - 9:00 am Breakfast and Registration

9:00 am - 9:10 am Opening Remarks
Isaac Woungang, Ryerson University, Canada;
Domenico Cotroneo, Federico II University of Naples, Italy

9:10 am - 10:40 am Session 1 (DNCMS) - Chair: Isaac Woungang, Ryerson University, Canada

Intrusion-Tolerant Group Management for Mobile Ad-Hoc Networks

Jonathan Kirsch (Johns Hopkins University, USA); Brian Coan (Telcordia Technologies, USA)

A Data Mining Based Approach to Reliable Distributed Systems

Michael Mock (Fraunhofer IAIS, Germany); Dennis Wegener (Fraunhofer IAIS, Germany)

PNETMAP: Virtual Network Implementation on a Partially-Known Physical Network

Cristian Ferent (State University of New York at Stony Brook, USA); Alex Doboli (State University of New York at Stony Brook, USA)

Developing Attack Defense Ideas for Ad Hoc Wireless Networks

Rui De Oliveira (IFMT, Brazil); Bharat Bhargava (Purdue University, USA); Ed Wilson T. Ferreira (IFMT, Brazil); Weichao Wang (UNC-Charlotte, USA); Mark Linderman (Air Force Research Lab, USA)

10:40 am - 10:55 am Coffee Break

10:55 am - 11:55 am Keynote Address – “Detection of Collaborative Attacks and Cyber Defense”, Bharat K. Bhargava, Purdue University, USA

11:55 am - 1:00 pm Lunch

1:00 pm - 2:40 pm Session 2 (DNCMS) - Chair: Michael Mock, Fraunhofer IAIS, Germany)

Performance Evaluation of the Impact of Attacks on Mobile Ad hoc Networks

Malcolm Parsons (Technische Universität Darmstadt, Germany); Peter Ebinger

(Fraunhofer-Institut für Graphische Datenverarbeitung IGD, Germany)

Defending against Collaborative Packet Drop Attacks on MANETs

Weichao Wang (UNC-Charlotte, USA); Bharat Bhargava (Purdue University, USA); Mark Linderman (Air Force Research Lab, USA)

Improvement of Throughput Using Partially Node-disjoint Forward and Backward Paths for Mobile Ad Hoc Networks

Mario Takeuchi (Hiroshima City University, Japan); Eitaro Kohno (Hiroshima City University, Japan); Tomoyuki Ohta (Hiroshima City University, Japan); Yoshiaki Kakuda (Hiroshima City University, Japan)

A Neural Network Approach for Wireless Sensor Network Power Management

Ahmad Hosseingholizadeh (Ryerson University, Canada); Abdolreza Abhari (Ryerson University, Canada)

2:40 pm - 3:15 pm Coffee Break

3:15 pm - 4:15 pm Session 3 (F2DA) - Chair: Domenico Cotroneo, Federico II University of Naples, Italy

Improving FFDA of Web Servers through a Rule-Based Logging Approach

M. Cinque (University of Naples Federico II, Italy); R. Natella (University of Naples Federico II, Italy); A. Pecchia (University of Naples Federico II, Italy), S. Russo (University of Naples Federico II, Italy)

An Experimental Analysis of Open Source Software Reliability

Cobra Rahmani (University of Nebraska-Omaha, USA); Harvey Siy (University of Nebraska-Omaha, USA); Azad Azadmanesh (University of Nebraska-Omaha, USA)

Is RSSI a Reliable Parameter in Sensor localization Algorithms – An Experimental Study

Ambili Thottam Parameswaran (State University of New York at Buffalo, USA); Mohammad Iftexhar Husain (State University of New York at Buffalo, USA); Shambhu Upadhyaya (State University of New York at Buffalo, USA)

4:15 pm Wrap-Up