

19th IEEE Workshop on Dependable Parallel, Distributed and Network-Centric Systems (DPDNS 2014)

Program

FRIDAY, May 23, 2014

Arizona Grand Resort, PHOENIX (Arizona) USA

8:45am – 9:00am Opening Remarks

9:00am – 10:00am Keynote Speech

“Mobile Communication in Industrial Environments - A Constant Challenge for a Dependable Wireless Network Architecture Design”

Prof. Dr. Edgar Nett (Otto von Guericke University of Magdeburg, Germany).

10:00am – 10:30am Coffee Break

10:30am – 12:00am Applications

10:30am – “Maintaining Dependable Communication Service for Mobile Stations in Wireless Mesh Networks by Tracking Capacity Demands”, Timo Lindhorst, Burkhard Weseloh and Edgar Nett (Otto von Guericke University of Magdeburg, Germany).

11:00am – “A Load Balancing Behavior for Underwater Robot Swarms to Increase Mission Time and Fault Tolerance”, Ammar Amory, Thomas Tosik and Erik Maehle (University of Luebeck, Germany).

11:30am – “ExCovery - A Framework for Distributed System Experiments and a Case Study of Service Discovery”, Andreas Dittrich, Stefan Wanja and Miroslaw Malek (Università della Svizzera Italiana, Switzerland).

12:00pm – “Managing Soft-errors in Transactional Systems”, Mohamed Mohamedin, Roberto Palmieri and Binoy Ravindran (Virginia Tech).

12:30am – 1:30pm Lunch Break

1:30pm – 3:00pm Theoretical Aspects

1:30pm – “Standby System Reliability through DRBD”, Salvatore Distefano (Politecnico di Milano, Italy).

2:00pm – “Trust-based Security for the Spanning Tree Protocol”, Yingxu Lai, Qiuyue Pan, Zenghui Liu, Yinong Chen and Zhizheng Zhou (Beijing University of Technology).

2:30pm – “Autonomy Requirements Engineering for Self-adaptive Science Clouds”, Emil Vassev and Mike Hinchey (LERO Ireland).

3:00pm – 3:10pm Concluding Remarks