

IEEE 2017 Emerging Technologies Reliability Roundtable



3 July 2017

The Academy of Sciences – Ulysses Room
Bologna, Italy

2017 ETR-RT Speakers

(In Alphabetical Order)

- Prosper Chemouil, Research Director, Orange Labs, France
- Didier Colle, Full Professor, Ghent University, Belgium
- Emmanuel Dotaro, Head of ICT & Security Labs, Thales Secure Communications & Information Systems, France
- Alex Galis, Professor, University College London (UCL), UK
- David Lu, Vice President, AT&T Services, USA
- Feng Liu, Chief Architect of RAS Team, Huawei European Research Institute, Germany
- Kelly Krick, Strategic Project Manager, Ericsson, Sweden
- Spilios Makris, Director, Palindrome Technologies, USA
- Antonio Manzalini, Senior Manager, Telecom Italia Mobile, Italy
- Dimitri Papadimitriou, Senior Researcher, Nokia Bell Labs, Belgium
- Dominic Schupke, Researcher Wireless Comm. Airbus Industry, Germany
- Massimo Tornatore, Assoc. Professor, Politecnico di Milano, Italy

ETR-RT Advisor

Chi-Ming Chen, AT&T Labs, USA

2017 ETR-RT Agenda

- 9:00 am – 9:15 am Welcome and Introduction by Chair
- 9:15 am – 10:45 am Talks & Discussion
- David Lu, Feng Liu, Prosper Chemouil
- 10:45 am – 11:00 am Coffee Break
- 11:00 am – 1:00 pm Talks & Discussion
- Kelly Krick, Didier Colle, Massimo Tornatore, Spilios Makris
- 1:00 pm – 2:00 pm Lunch
- 2:00 pm – 3:30 pm Talks & Discussion
- Antonio Manzalini, Dimitri Papadimitriou, Dominic Schupke
- 3:30 pm – 3:45 pm Coffee Break
- 3:45 pm – 4:45 pm Talks & Discussion
- Emmanuel Dotaro, Alex Galis
- 4:45 pm – 5:25 pm Identify potential directions for resolving identified issues and propose possible solutions (All)
- 5:25 pm – 5:30 pm Wrap –up (Chair)
- EVENING EVENT
- 8:00 pm – 10:00 pm “Thank You” Dinner (All are invited)

Topics – 1 (Morning)

(In Presentation Order)

- **David Lu** – Multi-Dimensional Challenges in Open & Agile Software Ecosystem
- **Feng Liu** – Towards NFV Reliability and Beyond
- **Prosper Chemouil** – AI Techniques for Reliability and Performance in Softwarized Networks
- **Kelly Krick** – Improved Reliability for NFVI
- **Didier Colle** – Flexible Softwarized Networks: A RAS Perspective
- **Massimo Tornatore** – New Reliability Strategies for Network Function
- **Spilios Makris** – IEEE P1917.1 Working Group on SDN/NFV Reliability: Overview, Issues, and Next Steps

Topics – 2 (Afternoon)

(In Presentation Order)

- **Antonio Manzalini** – Why We Have to Embrace Complexity for Reliability, Availability and Serviceability of Future Networks and 5G
- **Dimitri Papadimitriou** – Handling of Uncertainty for Reliable Information-driven Networks
- **Dominic Schupke** – Options for Reliable Wireless On-Board Communications in Aerospace
- **Emmanuel Dotaro** – Towards Mission Critical Support in 5G Slicing
- **Alex Galis** – Key Challenges - Reliability, Availability and Serviceability in Network Slicing