71th Meeting of the IFIP 10.4 Working Group
on Dependability and Security

Rydges Lakeland Resort Queenstown, New Zealand,

January 26-30, 2017

Preliminary Program

Thursday, January 26, 2017

19:00   **Welcome reception** (in the hotel (Rydges Lakeland Resort, Queenstown)

Friday, January 27, 2017

8:30   **Meeting Start**

Introduction to the meeting (Paulo Veríssimo, University of Luxembourg; Dongseon Kim, University of Canterbury, New Zealand and Takashi Nanya, Tokyo Univ., Japan)

Workshop on Dependability and Security

9:00   **Session 1 (Chair: TBD)**

*Increasing digital security of health related data on a systemic level (*Luigi Romano, University of Naples, Italy)

Asymmetric Cyber Resiliency and Its Validation (Nick Multari, Pacific Northwest National Laboratory, USA)

Dependable Research on the Human Dimensions of Cyber Security (Thomas Gross, Newcastle University, UK)

10:30   Discussion

10:45   Coffee break

11:15   **Session 2 (Chair: TBD)**

FAQs on Dependability (Takashi Nanya, Tokyo University, Japan)

Dependable Design of Experiments: Theory and Exemplars (Roy Maxion, Carnegie Mellon University, USA)

Perspectives on Dependability and Security Benchmarking (Marco Vieira, University of Coimbra, Portugal)

12:45	Discussion
13:00	Lunch
16:30	Coffee break

17:00   Session 3 (Chair: TBD)

Emergent Phenomena in Cyber-Physical Systems-of-Systems (Hermann Kopetz, University of Technology, Austria)

Scalable Multipath BGP (Ian Welch, Victoria University of Wellington, NZ)

What can we do to help after a disaster? - A way to share information securely (Haruo Yokota, Tokyo Institute of Technology, Japan)

18:45   Discussion

19:00   End of meeting day 1

Saturday, January 28, 2017

9:00   Session 4 (Chair: TBD)

An Overview of Resilience in MPI 3.0 (Elmootazbellah N. Elnozahy, King Abdullah University of Science and Technology (Saudi Arabia)

Engineering in Cyber Resiliency: A Pragmatic but Not Perfect Approach (William Sanders, Information Trust Institute, University of Illinois, USA)

Trustworthy Self-Assembling Systems (trustworthy architectures) (John Rushby, SRI International, USA)

10:30	Discussion
10:45	Coffee break

11:15   Session 5 (Chair: TBD)

Computing and Communications Resilience: the keystone of modern global applications (Paulo Esteves-Veríssimo, University of Luxembourg)

A Resilience Infrastructure for Cyber-Physical Systems (Algirdas Avizienis, University Vytautas Magnus, Lithuania)

12:15	Discussion
12:30	Lunch
15:00	Coffee break

15:15	**Session 6 (Chair: TBD)**
	• **Workshop wrap-up:** Rapporteurs
	• **End of Workshop**

16:00	**Business Meeting of WG 10.4**
	IFIP Working Group 10.4 business meeting
17:45	**End of meeting day 2**

Sunday, January 29, 2017

6:30	**Excursion**
19:00	**Return to hotel**
20:00	**Banquet**

Monday, January 30, 2017

9:00	**Research Reports (on-site enrollment)**
12:00	Lunch
13:30	**End of meeting**