

# 68th Meeting of the IFIP 10.4 Working Group on Dependable Computing and Fault Tolerance

Búzios, Brazil, June 25-28, 2015

## Autonomous and Cooperative Intelligent Vehicles: New safety and security challenges, or yet another critical infrastructure?

### Program

#### Thursday, June 25, 2015

20:00 Welcome reception

#### Friday, June 26, 2015

8:30 Meeting start

Introduction to the meeting (Paulo Veríssimo, University of Luxembourg)

Autonomous and Cooperative Intelligent Vehicles: Introduction (António Casimiro, University of Lisboa; Mohamed Kaâniche, LAAS)

### ***Workshop on Autonomous and Cooperative Intelligent Vehicles: New safety and security challenges, or yet another critical infrastructure?***

Co-chairs: António Casimiro, University of Lisboa; Mohamed Kaâniche, LAAS

#### **9:00 Session 1: Dependability challenges for autonomous cars (Chair: Henrique Madeira)**

*Aspects and Challenges on the Way to upcoming Automated Cars* (Stefan Poledna, TTTech)

*Challenges in Dependability and Verification for Self-Driving Cars* (Jonas Nilsson, Volvo Cars)

10:30 Discussion

10:45 Coffee break

#### **11:15 Session 2: Safety assurance (Chair: John Rushby)**

*Safe and Unsafe Disagreement in Vehicular Ad-hoc Networks* (Johan Karlsson, Chalmers University of Technology)

*Assessment and certification of SEooC components* (Jonny Vinter, SP)

12:45 Discussion

13:00 Lunch

15:40 Coffee break

**16:00 Session 3: Dependability challenges for airborne vehicles (Chair: Andrea Bondavalli)**

*On the security and safety of airborne cooperative vehicles on the battlefield* (Roberto Gallo, Kryptus)

*Fly me to the moon ....* (Michael Hinchey, Lero)

17:30 Discussion

**17:45 Business Meeting of WG 10.4**

IFIP Working Group 10.4 business meeting

**19:00 End of meeting day 1**

**20:30 Banquet**

**Saturday, June 27, 2015**

**9:00 Session 4: Concepts and Techniques for autonomous and vehicular systems (Chair: Jean Arlat)**

*What is Autonomous Decentralization Concept and its escalation?* (Hirokazu Ihara, Hitachi)

*Executing simultaneously time-critical and best-effort tasks on multiprocessors* (Gilles Muller, INRIA)

10:30 Discussion

**10:45 Meeting wrap-up**

Presentation of session summaries

11:15 Coffee break and preparation for excursion

**12:00 Excursion**

**15:30 Return to hotel**

**Sunday, June 28, 2015**

**9:00 Research Reports (on-site enrollment)**

12:00 Lunch

**13:30 End of meeting**