69th Meeting of IFIP Working Group 10.4
on Dependable Computing and Fault Tolerance

Aspen/Snowmass, US; January 10-14, 2016

Program

Sunday, January 10

20:00   **Welcome reception**

Monday, January 11

6:00   Breakfast in Alpine Springs meeting room
6:45   **Introduction to the meeting**
Paulo Verissimo (University of Luxembourg) and Basil Smith (IBM, retired)

Workshop on Internet of Things
co-Chairs: Nick Bowen (Stevens Institute), T. Basil Smith (IBM, retired)

7:00   **Introduction to the workshop**
Nick Bowen (Stevens Institute of Technology)

Session 1   Moderator: Hermann Kopetz (Emeritus Vienna University of Technology)
7:15   **Network Function Virtualization (NFV) and IoT**
Rick Schlichting (Distinguished Member of Technical Staff - Research at AT&T)
8:00   **HPE IoT Strategy, Solutions and Dependability**
Mark Gullett (HP Enterprise, Chief IoT Technologist)
8:45   Discussion
9:00   **Coffee break**

Session 2   Moderator: Elmootazbellah (Mootaz) Elnozahy (KAUST)
9:15   **Accesors: An Open Architecture for the Internet of Things**
Edward Lee (Berkeley and the Industrial Cyber-Physical Systems Center
10:00   **Internet of Sensors**
Peter Hartwell (InvenSense)
10:45   Discussion
11:00   **Lunch Break**

Session 3   Moderator/rapporteur: Chuck Weinstock (Carnegie Mellon)
15:30   Afternoon Snack/"Lunch" pre meeting in meeting room
16:00   **A Case Study of Toyota Unintended Acceleration and Software Safety**
Phil Koopman, Carnegie Mellon University
16:45   **Systems of Systems: Requirement Decomposition for Reliability, Maintainability, Dependability**
John Perazza (Fellow, Lockheed Martin)
17:30   Discussion
18:00   **End of meeting day 1**

Evening dinner *(on own)*

Tuesday, January 12

    6:00   Breakfast in Alpine Springs meeting room

Session 4 Moderator: Sami Saydjari (Cyber Defense Agency)

    7:00   **Trustworthy Cyber-Physical Critical Infrastructures: Threats, Challenges, and Countermeasures** Saman Zonouz (Rutgers University)

    7:45   **IOT and the Distributed Cloud** Inder Gopal, VP Technical Strategy, Ericsson

    8:30   Discussion

    8:45   *Coffee break*

Session 5 Moderator/rapporteur: Paulo Verissimo (University of Luxembourg)

    9:00   **Dependable Devices to Sustainable Cities: Trans-Atlantic and EU perspectives on the Model-Based Engineering of Cyber-Physical Systems.**
                John Fitzgerald (Director of the Centre for Software Reliability, U. of Newcastle)

    9:45   Discussion

    10:00   *Lunch*

Session 6 Moderator: Rick Schlichting (AT&T)

    15:30   Afternoon Snack/"Lunch" pre meeting in meeting room

    16:00   **Emergence in the IOT**
                Hermann Kopetz (Emeritus Vienna University of Technology)

    16:45   **CPS Activities at KAUST**
                Elmootazbellah (Mootaz) Elnozahy, Dean, CEMSE, KAUST, Saudia Arabia

    17:30   Workshop wrap-up

    17:45   break

WG Business meeting

    18:00   IFIP Working Group 10.4 business meeting

    19:00   *End of meeting day 2*

Evening dinner (on own)

Wednesday, January 13
Independent activities, Discussion & Banquet

7:30-8:30   Breakfast in Alpine Springs meeting room (for those wanting to meet up for skiing)

6:30-9:30   Breakfast in Wildwood – included with room (for those on a more leisurely schedule)

    17:45   Meet in Lobby of Westin for Snowcat to Banquet
    18:00   Snowcats Departs for Lynn Britt Cabin
    21:45   Snowcats Depart for return to Westin

Thursday, January 14

    8:00   Breakfast in Alpine Springs meeting room (or at Wildwood)

    9:00   Research Reports (on-site enrollment)

    13:30   End of IFIP WG 10.4 meeting