

## Workshop Program

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Tuesday, 13<sup>th</sup> September 2016

Due to the high number of registrations we offer the introduction and STPA tutorials session twice. The two sessions are identical.

Please check the registration confirmation e-mail or your invoice to see **for which of the sessions you have registered.**

### Introduction and Tutorials **Morning** Session

Room: LAA-L020

08:00 - 10:10	Part 1
10:10 - 10:30	Break
10:30 - 12:10	Part 2

### Introduction and Tutorials **Afternoon** Session

Room: LAA-L020

13:30 - 15:10	Part 1
15:10 - 15:30	Break
15:30 - 17:10	Part 2

# Workshop Program

Wednesday, 14<sup>th</sup> September 2016

Room: **LAA-G001**

08:30 - 09:00	Registration			
09:00 - 09:05	Welcome	Martin Rejzek, Zurich University of Applied Sciences ZHAW		
09:05 - 09:45	Keynote	Dr. Nancy Leveson Massachusetts Institute of Technology		
09:45 - 10:15	Coffee break + poster setup			
10:15 - 11:15	Session 1	10:15 - 10:45	Asim Abdulkhaleq University of Stuttgart	A Systematic Approach Based on STPA for Developing a Dependable Architecture for Fully Automated Driving
		10:45 - 11:15	John Thomas Massachusetts Institute of Technology	STPA Applied to Automotive Automated Parking Assist
11:15 - 11:30	Short bio break			
11:30 - 12:30	Session 2	11:30 - 12:00	Stephanie Alvarez Renault SAS - MINES ParisTech	Safety of automated vehicles' demonstrations and experiments: an STPA Application
		12:00 - 12:30	Børge Rokseth NTNU	Verification of Maritime Engineering Systems
12:30 - 13:30	Lunch break			
13:30 - 14:30	Session 3	13:30 - 14:00	Maria Mikela Chatzimichailidou University of Cambridge	Application of STPA on Small Drone Operations: A Benchmarking Approach for Drone Classification
		14:00 - 14:30	Kanarit Baktare Ben Gurion University	System Theoretic Safety Analysis of Israeli Air Force (IAF) CH-53 1977 and CH-53 1997 Aviation Disasters
14:30 - 14:45	Short bio break			
14:45 - 15:45	Session 4	14:45 - 15:15	Gus Larard Cathay Pacific	A STAMP-based Hazard Log for Use during Development and Operations
		15:15 - 15:45	Frank Verschueren FVORG	Use of STAMP and related methods in Audits, Assessments and Inspections
15:45 - 16:15	Coffee break			
16:15 - 17:15	Session 5	16:15 - 16:45	Jamie Elliott DNV GL	CAST Analysis of the Buncefield Incident
		16:45 - 17:15	John Thomas Massachusetts Institute of Technology	Analyzing security and safety in automated automotive systems
17:15 - 17:20	Day closing			

# Workshop Program

Thursday, 15<sup>th</sup> September 2016

Room: **LAA-G001**

08:30 - 09:00	Registration			
09:00 - 09:45	Keynote	Dr. Ortwin Renn International Institute for Advanced Sustainability Studies		
09:45 - 10:15	Coffee break			
10:15 - 11:15	Session 6	10:15 - 10:45	Michael Findler University of Houston	Teaching STAMP: High Level Communication Design Concerns for a Domestic Robot
		10:45 - 11:15	Robert Aps University of Tartu	Systems-Theoretic Process Analysis of maritime traffic safety management in the Gulf of Finland (Baltic Sea)
11:15 - 11:30	Short bio break			
11:30 - 12:30	Session 7	11:30 - 12:00	Rüdiger Schmidt CERN	STPA for Linac availability requirements
		12:00 - 12:30	Fei Yan Beijing Jiaotong University	Safety and Security Analysis in Automated Urban Guided Transport Systems using STPA
12:30 - 13:30	Lunch break			
13:30 - 14:30	Session 8	13:30 - 14:00	Ajibade Adesina F. Hoffmann-La Roche Ltd.	Application of Systems Theoretic Process Analysis to a Safety Signal Management process in Pharmacovigilance
		14:00 - 14:30	Geert Roelf Kleve University Medical Centre Groningen	Assessing the safety of a nurse call system using STPA
14:30 - 14:45	Short bio break			
14:45 - 15:45	Session 9	14:45 - 15:15	Svana Helen Björnsdóttir Stiki / Reykjavik University	Risk Analysis in Design and Construction of a Hydropower Station
		15:15 - 15:45	John Helferich Massachusetts Institute of Technology	Modeling the Drift to Unsafe State: Combining STPA with System Dynamic Modeling
15:45 - 16:15	Coffee break			
16:15 - 17:00	Session 10	16:15 - 16:45	Daniel Hartmann Ben Gurion University	A Meta-analysis of CAST Investigations of Three Accidents Related to Diverse Sociotechnical Systems (STSS)
		16:45 - 17:00	Announcements	
17:00 - 17:15	Closing ESW 2016			