

Transportation CPS

**Raj Rajkumar, Ümit Özgüner, Hamsa Balakrishnan,
Manfred Broy, Claire Tomlin (moderator)**

- Systems integration
 - Increased use of COTS components
- Human interactions: intent, situational awareness
- Unknown environments
- Autonomy
 - Learning models, Introducing new automation, sensors and actuators in the loop
- Design for verification
 - Hybrid system models (vs. reality)
- Design for re-use
 - On new hardware
- Distributed systems
- Security in the loop
- The need for good Open Experimental Platforms: traffic networks