

ASSURE 2017 Program

09:00 – 09:10 Welcome and Introduction

09:10 – 10:00 Keynote. Making the Case for Safety of Machine Learning in Highly Automated Driving
Simon Burton (with Lydia Gauerhof and Christian Heinzemann)

10:00 – 11:00 Session 1. Assurance Case Frameworks

10:00 – 10:30 A Thought Experiment on Evolution of Assurance Cases---from a Logical Aspect
Y. Kinoshita and S. Kinoshita

10:30 – 11:00 Using an Assurance Case Framework to Develop Security Strategy and Policies
R. Bloomfield, P. Bishop, E. Butler and K. Netkachova

11:00 - 11:30 Morning Coffee/Tea Break

11:30 - 13:00 Session 2. Assurance Case Tool Support

11:30 – 12:00 Uniform Model Interface for Assurance Case Integration with System Models
A. Wardziński and P. Jones

12:00 – 12:30 ExplicitCase: Integrated Model-based Development of System and Safety Cases
C. Cârlan, S. Barner, A. Diwald, A. Tsalidis and S. Voss

12:30 – 13:00 D-Case Communicator: A Web-Based GSN Editor for Multiple Stakeholders
Y. Matsuno

13:00 - 14:00 Lunch Break

14:00 - 15:30 Session 3. Assurance Cases for Security

14:00 – 14:30 Towards combined safety and security constraints analysis
D. Pereira, C. Hirata, R. Pagliares and S. Nadjm-Tehrani

14:30 – 15:00 Attack Modeling for System Security Analysis and Assurance Case
A. Altawairqi and M. Maarek

15:00 – 15:30 Reconciling Systems-Theoretic and Component-Centric Methods for Safety and Security Co-Analysis
W. Temple, Y. Wu, B. Chen and Z. Kalbarczyk

15:30 - 16:00 Afternoon Coffee/Tea Break

16:00 - 17:25 Session 4. Guided Discussion and Breakout Sessions

17:25 - 17:30 ASSURE 2017 Conclusion and Wrap-Up