SOFTWARE CERTIFICATION CONSORTIUM

MEETING #17

Assurance of Model-Based Design

Annapolis, MD | May 9, 2016

cps-vo.org/group/scc

Monday, May 9

0715 - 0815	**Breakfast | Registration (until 5:30pm)**

MORNING SESSION

0815 - 0830	**Welcome**
0830 - 0900	**Challenges in Autonomous Vehicle Testing and Validation** Phil Koopman (Carnegie Mellon University)
0900 - 0910	**Discussion**
0910 - 0940	**Assurance Challenges of Model-Based Design for Self-Driving Cars** Krzysztof Czarnecki (Waterloo University)
0940 - 0950	**Discussion**
0950 - 1020	**TBA** Joe D'Ambrosio (General Motors Research)
1020 - 1030	**Discussion**
14:45 – 15:00	**Refreshment Break**
1100 - 1215	**Breakout Session I** **TBA**
1215 - 1315	**Lunch**

AFTERNOON SESSION

1315 - 1345	**Simulink Models - Assurance Through Comprehensive Formal Verification** John Knight (University of Virginia & Dependable Computing)
1345 - 1355	Discussion
1355 - 1425	**IEC 62304-Compliant Model Based Design: Software Quality Metrics** Paul Jones (US FDA)
1425 - 1435	**Discussion**
1435 - 1500	**Refreshment Break**
1500 - 1530	**Overcoming Challenges in Certification of Model-Based Design of Cyber-Physical Systems** Alan Wassyng, Monika Bialy, Paul Joannou, Mark Lawford, Tom Maibaum, Vera Pantelic (McMaster University)
1530 - 1540	**Discussion**
1540 - 1610	**Compositional Reasoning About Architecture Models** Darren Cofer (Rockwell Collins)
1610 - 1620	**Discussion**
1620 - 1735	**Breakout Session II** **TBA**
1735 - 1745	**Wrap-up**