6th International Workshop on Assurance Cases for Software–intensive Systems (ASSURE 2018)

Collocated with SAFECOMP 2018
Västerås, Sweden. September 18, 2018.

PROGRAM

08:00 – 09:00 Registration

09:00 – 10:30 Session 1. Introduction, Keynote, and Confidence Assessment

09:00 – 09:10   Welcome and Introduction
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09:10 – 10:00   Keynote. Assurance Cases: Mindsets, Methodologies, and Convergence.
Robin Bloomfield, Adelard LLP, and City University, London

10:00 – 10:30   Research on the Classification of the Relationships Among the Same Layer Elements in Assurance Case Structure for Evaluation
Biao Xu, Minyan Lu, Tingyang Gu and Dajian Zhang

10:30 – 11:00 Morning Coffee/Tea Break

11:00 – 12:30 Session 2. Patterns and Processes

11:00 – 11:30   The Assurance Recipe: Facilitating Assurance Patterns
Justin Firestone and Myra Cohen

11:30 – 12:00   Incorporating Attacks Modeling into Safety Process
Amer Surkovic, Dzana Hanic, Elena Lisova, Aida Causevic, Kristina Lundqvist, David Wenslandt and Carl Falk

12:00 – 12:30   Assurance Case Considerations for Interoperable Medical Systems
Yi Zhang, Brian Larson and John Hatcliff

12:30 – 13:30 Lunch Break

13:30 – 15:30 Session 3. Tools and Automation

13:30 – 14:00   Two Decades of Assurance Case Tools: A Survey
Mike Maksimov, Nick Fung, Sahar Kokaly and Marsha Chechik

14:00 – 14:30   MMINT–A: A Tool for Automated Change Impact Assessment on Assurance Cases
Nick Fung, Sahar Kokaly, Alessio Di Sandro, Rick Salay and Marsha Chechik

14:30 – 15:00   D–Case Steps: New Steps for Writing Assurance Cases
Yuto Onuma, Toshinori Takai, Tsutomu Koshiyama and Yutaka Matsuno

15:00 – 15:30   Continuous Argument Engineering: Tackling Uncertainty in Machine Learning based Systems
Fuyuki Ishikawa and Yutaka Matsuno

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

16:00 – 17:15 Session 4. PANEL – What are Assurance Case Tools For?

17:15 – 17:30   Conclusion and Wrap–Up
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