



2nd Workshop on Cyber-Physical Security and Resilience in Smart Grids

21st April 2017, Pittsburgh, PA

This workshop is part of CPS Week 2017, 18th-21st April 2017, Pittsburgh, PA

Workshop Chairs

Paul Smith (AIT, Austria), Reinder Wolthuis (TNO, The Netherlands), Oliver Gehrke (DTU, Denmark)

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| <p>Workshop Scope</p> <p>Future power systems and smart grids will include a greater Information and Communication Technology (ICT) component to support new energy services. While this prospect has many benefits, it also makes power systems and smart grids more vulnerable to cyber-attacks and introduces increasingly critical dependencies between the cyber and physical domain of power systems. Building on the success of its first iteration, the purpose of this workshop is to continue to be a forum for discussion on hot topics and key challenges in ensuring the security and resilience of cyber-physical smart grids. This multi-disciplinary international workshop is being co-organised by three major European-funded research projects in the smart grid area, namely the SALVAGE, SEGRID and SPARKS projects. The workshop is expected to run for a full-day and include a keynote speech plus regular paper presentations. A Best Paper Award will be presented to an outstanding paper and presentation at the workshop.</p> | <p>Topics of interest include, but are not limited to, cyber-physical aspects of:</p> <ul style="list-style-type: none">• Intrusion detection systems and security analytics for the smart grid• Resilient control of power systems• Security and resilience metrics for the smart grid• Privacy issues and protection schemes for the smart grid• (Co-)simulation and testbed environments for analysing security and resilience• Cyber vulnerability detection and assessment• Risk analysis of cyber-attacks to smart grids• The design of secure and resilient smart grids, e.g., architectural design decisions• The economics of security and resilience for the smart grid |
| <p>Paper Submissions</p> <p>Submissions should not exceed six pages. The workshop language is English. The submitted papers are required to comply with the ACM formatting guidelines. Please submit your original work via the EasyChair submission system. Accepted and presented papers will appear in the ACM Digital Library, subject to final approval by the conference committee.</p> <p>Important Dates</p> <p>Paper submission deadline: 3rd February 2017 Notification deadline: 17th February 2017 Final paper submission deadline: 1st March 2017 Workshop date: 21st April 2017</p> <p>Links and Resources</p> <p>Paper guidelines and templates Submit your PDF (max. six pages) Registration Venue Contact</p> | <p>Technical Program Committee</p> <p>Rohan Chabukswar, (UTRC, Ireland) J.K. Wang (The Ohio State University, USA) Mathias Ekstedt (KTH, Sweden) Frank Fransen (TNO, The Netherlands) Rajesh Kavasseri (North Dakota State Uni, USA) Kieran McLaughlin (Queen's University Belfast, UK) Nuno Neves (FFCUL, Portugal) Eugeniusz Rosolowski (PWR, Poland) Walid Saad (VirginiaTech, USA) Judith Rossebo (ABB, Norway) Alberto Schaeffer-Filho (UFRGS, Brazil) Jin Wei (The University of Akron, USA) André Herdeiro Teixeira (TU Delft, The Netherlands) Marco Tiloca (SICS, Sweden) Kai Heussen (DTU, Denmark) Abdallah Farraj (University of Toronto, Canada) Niamh O'Mahony (Dell EMC, Ireland) Daisuke Mashima (ADSC, Singapore)</p> |