

AIRBUS



Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG



DE MONTFORT
UNIVERSITY
LEICESTER



Programme¹

Day 1, Wednesday 29th August 2018

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|-------|-------|--------------|---|
| 8:30 | 9:15 | Registration | |
| 9:15 | 9:30 | Welcome | Dr. Kevin Jones, Prof. Helge Janicke, Prof. Thomas Brandstetter. |
| 9:30 | 10:30 | Keynote | Dr. Harald Niggemann „Cyber Security Strategist“ at the German BSI, Bundesamt für Sicherheit in der Informationstechnik. Supporting the implementation of the EU NIS directive through ICS security guidance and services |
| 10:30 | 11:00 | Coffee | |
| 11:15 | 11:45 | Paper 1 | Wouter Depamelaere, Laurens Lemaire, Jan Vossaert and Vincent Naessens. CPS Security Assessment using Automatically Generated Attack Trees |
| 11:45 | 12:15 | Paper 2 | Gorby Kabasele Ndonga and Ramin Sadre. A Two-level Intrusion Detection System for Industrial Control System Networks using P4 |
| 12:15 | 13:30 | Lunch | |
| 13:30 | 14:00 | Paper 3 | Peter Maynard, Kieran McLaughlin and Sakir Sezer. An Open Framework for Deploying Experimental SCADA Testbed Networks |
| 14:00 | 14:30 | Paper 4 | Henry Hui and Kieran McLaughlin. Investigating Current PLC Security Issues Regarding Siemens S7 Communications and TIA Portal |

¹ Programme subject to change

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| 14:30 | 15:00 | Paper 5 | Konstandinos Koumidis, Panayiotis Kolios and Christos Panayiotou . Optimizing Blockchain for data integrity in Cyber Physical Systems |
| 15:00 | 15:45 | Coffee | |
| 15:45 | 16:15 | Paper 6 | Roberta Terruggia, Giovanna Dondossola and Mathias Ekstedt. Cyber security analysis of Web-of-Cells energy architectures |
| 16:15 | 16:45 | Paper 7 | Mislav Findrik, Kevin Quill, Paul Smith and Kieran McLaughlin. PLCBlockMon: Data Logging and Extraction on PLCs for Cyber Intrusion Detection |
| 16:45 | 17:00 | Close of Day | |
| 17:30 | 21:00 | Dinner | Our Conference Dinner – joint with ARES 2018 – will take place right at the heart of Hamburg’s historical port area. Located at the centre of the Speicherstadt, the Experience Warehouse combines comfort with the flair of ancient merchant tradition. After an aperitif you will get the chance to experience Hamburg’s most popular tourist attraction, the Miniature Wonderland. The biggest model railway exhibition impresses through lifelike scenery of European countries, the US, replica of Hamburg Airport and much more. |

Day 2, Thursday 30th August 2018

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| 9:00 | 9:30 | Coffee | |
| 10:00 | 11:00 | Industrial Talk | Dr Bob Oates Global Software Capability Lead, Rolls-Royce plc Cyber Security for Cyber Physical Systems in the Aerospace and Maritime Sectors: A Comparative Study |
| 11:00 | 11:30 | Coffee | |
| 11:30 | 12:00 | Paper 8 | Matthias Niedermaier, Thomas Hanka, Sven Plaga, Alexander von Bodisco and Dominik Merli. Efficient Passive ICS Device Discovery and Identification by MAC Address Correlation |
| 12:00 | 12:30 | Paper 9 | Oliver Eigner , Philipp Kreimel and Paul Tavalato . Identifying S7comm Protocol Data Injection Attacks in Cyber-Physical Systems |
| 12:30 | 13:00 | Paper 10 | Amin Hassanzadeh and Robin Burkett. SAMIIT: Spiral Attack Model in IIoT - Mapping Security Alerts to Attack Life Cycle Phases |
| 13:00 | 14:00 | Lunch | |
| 14:00 | 14:30 | Paper 11 | Justyna Chromik, Anne Remke and Boudewijn Haverkort . Bro in SCADA: dynamic intrusion detection policies based on the system model |

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| 14:30 | 15:00 | Paper 12 | Yatin Wadhawan , Dr. Clifford Neuman and Dr. Anas Almaljali. PSP: A Framework to Allocate Resources to Power Storage Systems under Cyber-Physical Attacks |
| 15:00 | 15:30 | Paper 13 | Rishabh Das, Vineetha Menon and Thomas Morris. On the Edge Realtime Intrusion Prevention System for DoS Attack |
| 15:30 | 15:45 | Conference Close | |
| 15:45 | 16:00 | Coffee | |
| 16:00 | 17:30 | Limes Security - Cyber Game | Zero-Downtime / Blackout Edition |
| 17:30 | 17:30 | Networking and social for those staying overnight. | tbc |