

AIRBUS



Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG



DE MONTFORT
UNIVERSITY
LEICESTER



Programme¹

Day 1, Wednesday 29th August 2018

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

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

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

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