IFIP SEC 2018 Schedule

	Stream 1	**Stream 2**

Tuesday 18.09.2018

8:00 Congress registration desk open
SEC Opening session, room 6CW

9:30 **SEC Keynote: Krystian Matusiewicz**
Cryptographic failures: how and why they happen

11:00 coffee break

11:30 **WCC Opening**

12:00 **Keynote WCC**

13:00 lunch break

14:30	**SEC Session 1: Authentication weaknesses, room 6CW**	**SEC Session 2: Privacy, room 12CW**
	chair: Krystian Matusiewicz	chair: Mirosław Kutyłowski
	Paolo D'Arco and Roberto De Prisco. *Design Weaknesses in Recent Ultralightweight RFID Authentication Protocols* Nils Wisiol and Marian Margraf. *Attacking RO-PUFs with Enhanced Challenge-Response Pairs* Johannes Feichtner. *Hunting Password Leaks in Android Applications*	Niklas Paul, Welderufael B. Tesfay, Dennis-Kenji Kipker, Mattea Stelter and Sebastian Pape. *Assessing Privacy Policies of Internet of Things Services* Ioanna Topa and Karyda Maria. *Usability Characteristics of Security and Privacy Tools: the User's Perspective* David Harborth and Sebastian Pape. *JonDonym Users' Information Privacy Concerns*

16:00 coffee break

16:30-18:00	**SEC Session 3: Security of systems, room 6CW**	**SEC Session 4: Passwords, room 12CW**
	chair: Lech Janczewski	chair: Yuko SJ Murayama
	Clemens Sauerwein, Christian Sillaber, Michael Huber, Andrea Mussmann and Ruth Breu. *The Tweet Advantage: An Empirical Analysis of 0-Day Vulnerability Information Shared on Twitter* Alexander Marsalek, Christian Kollmann and Thomas Zefferer. *A Security Analysis of FirstCoin* Richard Baker and Ivan Martinovic. *EMPower : Detecting Malicious Power Line Networks from EM Emissions*	Weizhi Meng, Fei Fei, Lijun Jiang, Zhe Liu, Chunhua Su and Jinguang Han. *CPMap: Design of Click-Points Map-based Graphical Password Authentication* Pardon Blessings Maoneke, Stephen Flowerday and Naomi Isabirye. *The Influence of Native Language on Password Composition and Security: A Socioculture Theoretical View* Christopher Gutierrez, Mohammed Almeshekah, Eugene Spafford and Saurabh Bagchi. *A Hypergame Analysis for ErsatzPasswords*

Wednesday 19.09.2018

8:00 Congress registration desk open

9:30 **SEC Session 5: Data protection, room 6CW**
chair: Jan Camenisch

Wei Chen, Yuhui Lin, Vashti Galpin, Vivek Nigam, Myungjin Lee and David Aspinall.
Formal Analysis of Sneak-Peek: A Data Centre Attack and its Mitigations
Milan Brož, Mikuláš Patočka and Vashek Matyáš.
Practical Cryptographic Data Integrity Protection with Full Disk Encryption
Mariem Graa, Ivan Marco Lobe Kome, Nora Cuppens-Boulahia, Frédéric Cuppens and Vincent Frey.
Detection and response to Data Exfiltration from Internet of Things Android Devices

11:00 cofeee break

11:30 **Keynote WCC: Jan Camenisch, room: Aula Magna**

12:30 lunch break

14:00 **SEC Session 6: Security in Web, room 6CW**

      chair: Kai Rannenberg

        Keeyoung Kim and Simon Woo.
        When George Clooney is not George Clooney: Using GenAttack to Deceive Amazon's and Naver's Celebrity Recognition APIs
        Juan D. Parra Rodriguez, Eduard Brehm and Joachim Posegga.
        When Your Browser Becomes The Paper Boy: An Anonymous Browser Network
        Jukka Ruohonen, Joonas Salovaara and Ville Leppänen.
        On the Integrity of Cross-Origin JavaScripts

15:30 coffee break

16:00-
18:00 **SEC Session 7: Malware, room 6CW**

      chair: Nora Cuppens

        Bruno Bierbaumer, Julian Kirsch, Thomas Kittel, Aurélien Francillon and Apostolis Zarras.
        Smashing the Stack Protector for Fun and Profit
        Sergej Proskurin, Julian Kirsch and Apostolis Zarras.
        Follow the WhiteRabbit: Towards Consolidation of On-the-Fly Virtualization and Virtual Machine Introspection
        Mayank Agarwal, Rami Puzis, Jawad Haj-Yahya, Polina Zilberman and Yuval Elovici.
        Anti-forensic = Suspicious: Detection of Stealthy Malware that Hides its Network Traffic

19:00 WCC Congress Dinner

Thursday 20.09.2018

8:00 Congress registration desk open

9:30 **SEC Session 8: Data analysis, room 6CW**

      chair: Frédéric Cuppens

        Choongin Lee, Jeonghan Bae and Heejo Lee.
        PRETT: Protocol Reverse Engineering Using Binary Tokens and Network Traces
        Giacomo Giorgi, Fabio Martinelli, Andrea Saracino and Mina Sheikhalishahi.
        Walking Through the Deep: Gait Analysis for User Authentication through Deep Learning
        Ganbayar Uuganbayar, Artsiom Yautsiukhin and Fabio Martinelli.
        Optimal Security Configuration for Cyber Insurance

SEC Session 9: Behavior and side channels, room 12CW

chair: Jukka Ruohonen

        Jens Lindemann and Mathias Fischer.
        Efficient Identification of Applications in Co-Resident VMs via a Memory Side-Channel
        Gheorghe Florin, Gheorghe Hăjmăşan, Alexandra Mondoc, Radu Marian Portase and Octavian Creţ.
        Performance Improvements in Behavior Based Malware Detection Solutions
        Yuri Gil Dantas, Richard Gay, Tobias Hamann, Heiko Mantel and Johannes Schickel.
        An Evaluation of Bucketing in Systems with Non-Deterministic Timing Behavior

11:00 coffee break

14:00 SEC Closing Session, room 6CW