

**Digital Transformation & Society (Digits):
ETH+ Workshop on IT Security at the Boundaries
of Computer Science and Social Sciences**

29. & 30.8.2022

ETH Zurich

Monday, 29.8.2022: MM C 78.1 (Alumni Pavillon, next to Polyterasse)

- 08:30 – 09:15 Breakfast
- 09:15 – 09:45 Introduction (Stefan Bechtold, David Basin, Hans Gersbach & Marko Köthenbürger)
- 09:45 – 10:30 Group David Basin (D-INFK)
David Basin: *Overview*
Karel Kubicek: *Privacy Observatory: Collection of Websites' Changing Privacy Practices*
François Hublet: *Towards GDPR Compliance with Formal Guarantees*
- 10:30 – 11:15 Group Marko Köthenbürger (D-MTEC)
Marko Köthenbürger: *Overview & Public Policies for Internet Platforms*
Antoine Dubus: *Consumer Data: Regulation and Competition*
- 11:15 – 11:45 Coffee Break
- 11:45 – 12:30 Group Andreas Wenger (D-GESS)
Lennart Maschmeyer: *Overview & Cyber Power: Operational Mechanisms, Constraints and Strategic Consequences*
Miguel Gomez: *Cognitive and Affective Components of Cyber Operations*
- 12:30 – 12:50 Group Shweta Shinde (D-INFK): *Securing Sovereign Devices used in Humanitarian Actions*
- 13:00 – 14:15 Lunch at the Dozentenfoyer, ETH main building
- 14:15 – 15:00 Group Hans Gersbach (D-MTEC)
Hans Gersbach: *Overview*
Fikri Pitsuwan: *Decentralized Attack Search*
Kremena Valkanova: *Clearance Voting*
- 15:00 – 15:25 Group Dennis Hofheinz (D-INFK)
Dennis Hofheinz: *Overview*
Bogdan Ursu: *Cryptography Beyond Encryption*
- 15:25 – 16:00 Coffee Break

- 16:00 – 16:45 Group Stefan Bechtold (D-GESS)
 Stefan Bechtold: *Overview*
 Amit Zac: *Dark Patterns & Consumer Vulnerability*
 Filippo Lancieri: *Adjudicating Fake News*
- 16:45 – 17:05 Group Alexander Stremitzer (D-GESS)
 Jakob Merane: *Enforcement Bots, Email Tracking, and Legal Datasets*
- 17:05 – 17:30 Group Florian Tramèr (D-INFK)
 Florian Tramèr: *Overview*
 Edoardo Debenedetti: *Defending from Attacks Against Machine Learning Models*
- 17:30 – 18:00 Group Discussion: *What Have We Learned?*
- 18:30 Dinner at Restaurant Zum Kropf, In Gassen 16, 8001 Zurich

Tuesday, 30.8.2022: RZ F 21

- 08:30 – 09:15 Breakfast
- 09:15 – 09:40 Group Adrian Perrig (D-INFK)
 Adrian Perrig: *SCION and Green Routing*
 Elham Ehsani: *Supporting Dynamic and Secure Interdomain Routing: A Market for Connectivity*
- 09:40 – 10:40 Group Roger Wattenhofer (D-ITET)
 Roger Wattenhofer: *Overview & Democracy Without Politicians*
 Andrei Constantinescu: *When Does Voting Become Difficult*
 Yann Vonlanthen: *Blockchain without Consensus*
- 10:40 – 11:10 Coffee Break
- 11:10 – 11:30 Group Verena Zimmermann (D-GESS): *Digital Transformation in Society – The Human Element in IT Security and Privacy*
- 11:30 – 11:50 Group Matthias Leese (D-GESS): *Data Practices as a Way of Studying Technology and Governance*
- 11:50 – 12:10 Group Kenny Patterson (D-INFK): *Overview*
- 12:10 – 12:45 Closing Discussion: *What is Missing?*
- 12:45 – 13:45 Lunch at the D-GESS Bar, IFW building