



CONCORDIA Research

Presented by

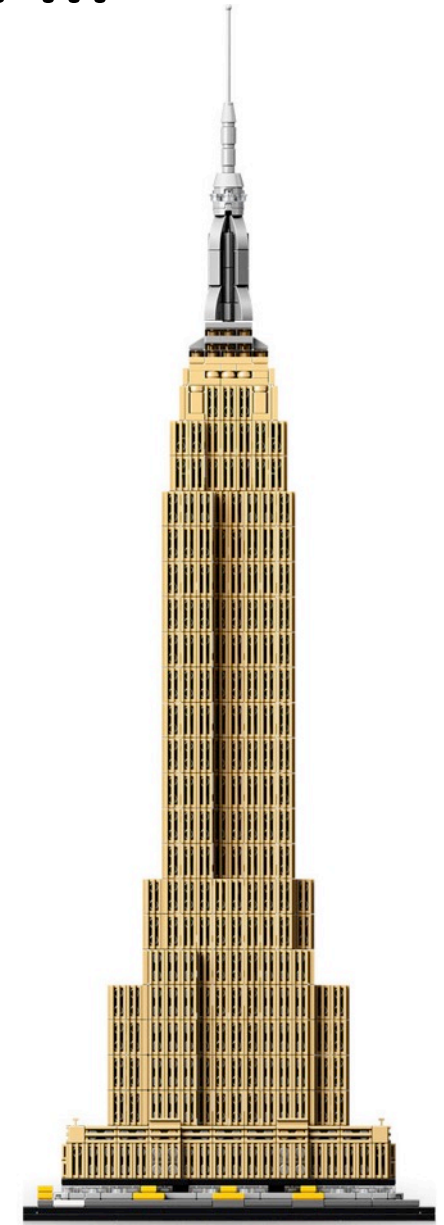
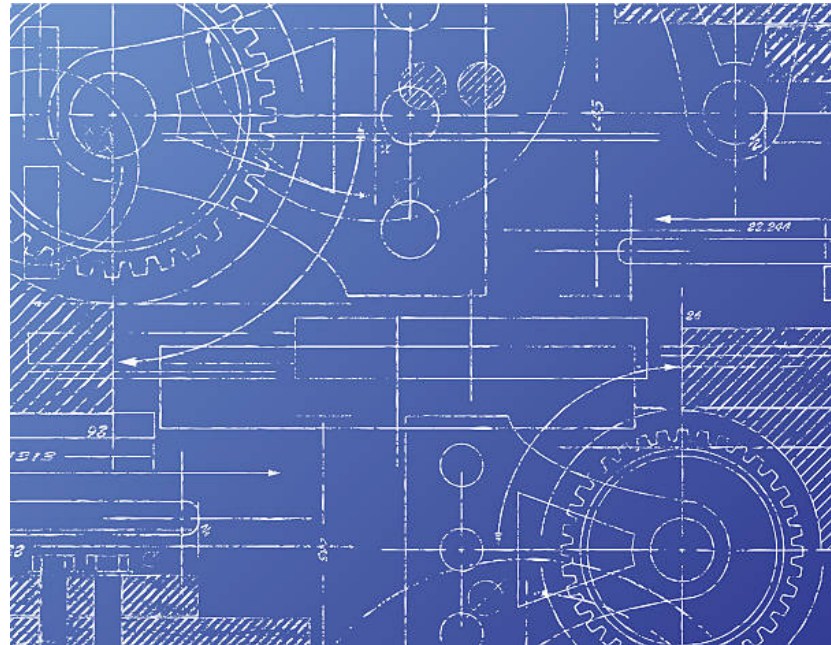
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Research in a traditional project ...



Research in CONCORDIA...



Research in CONCORDIA...



Research in CONCORDIA...



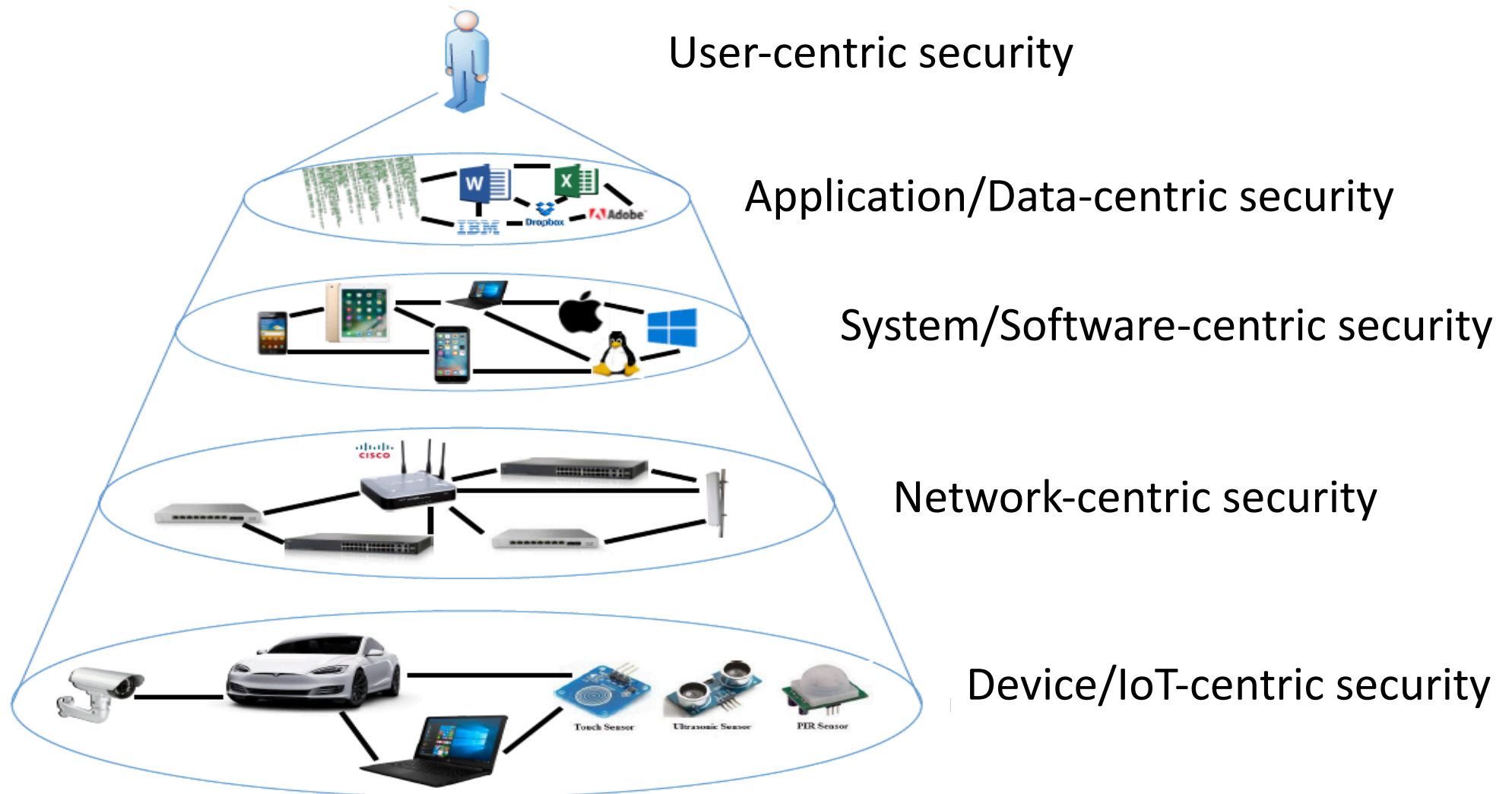
Research in CONCORDIA...



Concordia WP1 Objectives

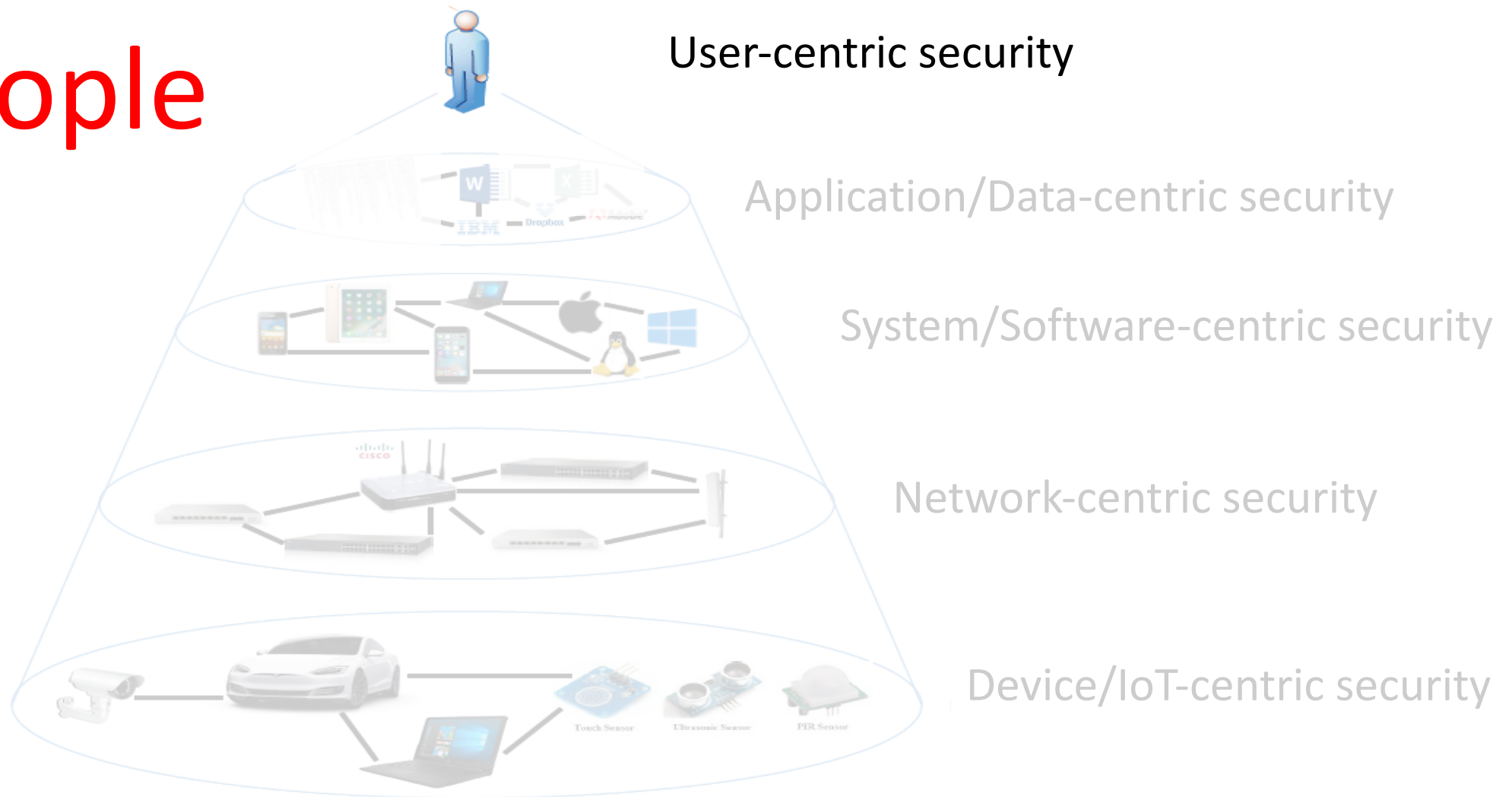
1. Excellent academic research to build an European Secured, Resilient and Trusted Networked Ecosystem, papers for scientific journals, conferences and workshops
2. Organization of scientific events in the area of cyber security, including a dedicated annual European cyber security conference
3. Leading role in the organization of the scientific community, outreach to different target audiences, including public media and the general public
4. Contributions to standardization, open research data and code, shared via systems like GitHub

Research tasks



Research tasks

People

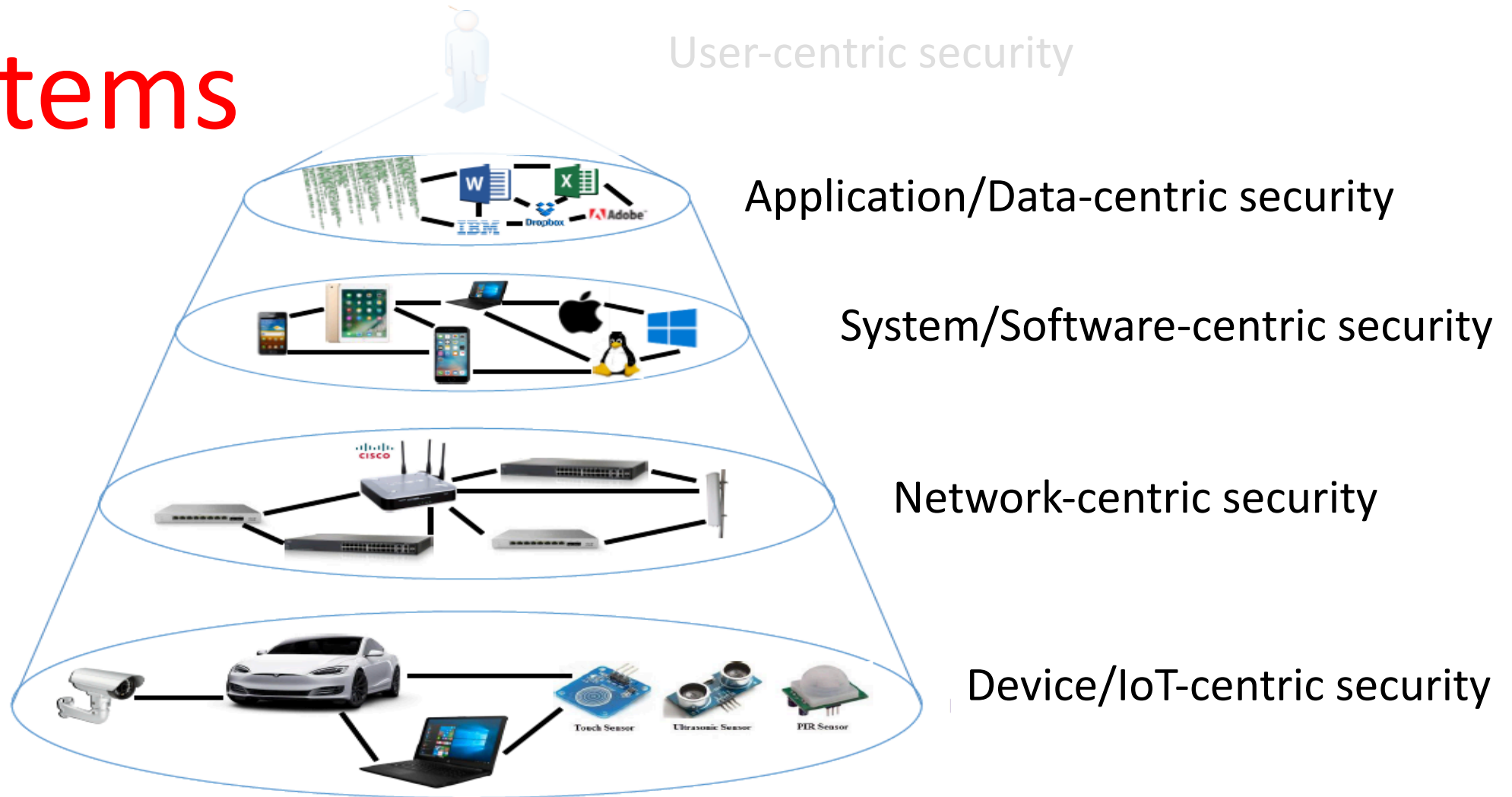


User Centric security

- Privacy
- Identity management
- Social Networks and Fake news

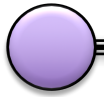
Research tasks

Systems



Digital Sovereignty

Digital Sovereignty



0

Digital Sovereignty



Digital Sovereignty



Control

Digital Sovereignty



Manufacture

Digital Sovereignty: Control

T3.1 Threat intelligence

Measure:

- Detect misbehaving IoT devices
- Collect and analyze DNS traffic
- DDoS fingerprints
- Monitoring of Encrypted Traffic
- Detecting Service Dependencies
- Malware Analysis
- Systematic software testing

Action:

- Automated software updates
- Proactive protection using DNS
- DDoS mitigation techniques
- Policy-based cloud security
- Forensic Data Visualization
- SDN: Open networking



T3.2 DDoS Clearinghouse

Digital Sovereignty: Manufacture

Security by design:

- Hardware structures of embedded IoT devices
- P4 / White label switches
- Adaptive Software and OSs
- Cloud systems

Links to WP2 Pilots

Domain-Specific:

- **Telecommunication:** Threat Intelligence for the Telco Sector
- **Finance:** Assessing Cyber Risks, Threat Intelligence for the Finance Sector
- **eMobility:** Security of the E-charging infrastructure
- **eHealth:** Privacy and Data Protection of Medical Data
- **Defence:** Security of Unmanned Aerial Systems (UAS)

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Conference

NeCS PhD WINTER SCHOOL 2020

Fai dell Paganella (TN) – Italy, Feb. 2020

The NeCS Cyber Security Winter school 2020 (or the **PhD school of the European Networks in Cyber Security**), will be held in cooperation by the 4 European Pilot Networks in Cyber Security, CONCORDIA, Cybersec4EU, ECHO, SPARTA.

The **NeCS winter school** was formed in response to the increased need of highly qualified experts. It addresses the issues of training and development of talented junior researchers as indicated in the European Cyber-security strategy and highlighted in the EC's Digital Agenda.

Critical infrastructures are complex physical and cyber-based systems that form the backbone of a modern society, and their reliable and secure operation is of paramount importance to national security and economic vitality.

As a consequence attacks to such cyber systems could have significant impacts on the reliable and safe operations of the physical systems that rely on it. Cyber-security studies and analyses such new threads and attacks, aiming at the same time to explore, analyze, design and test effective and efficient defenses.

Scope of the NeCS PhD Winter School is to present advances on both attacks and defenses in the realm of Cyber-security.

Speakers:

TBD

Organizers:

Bruno Crispo, Univ. Trento (C4E)
Javier Lopez, Univ. Malaga (C4E)
Fabio Martinelli, CNR (SPARTA)
Aiko Pras Uni. Twente (CONCORDIA)
Paolo Prinetto, CINI (SPARTA)
Bernard Stiller, Univ. Zurich (CONCORDIA)
ECHO 1
ECHO 2



Home Call for Papers PhD School Experts Summit TMA Conference



ACM Internet Measurem

The 2019 Internet Measurement Conference (IMC) is a three-day conference. IMC 2019 is the 19th in a series of highly successful Internet Measurement Conferences.

The ACM IMC 2019 conference will be held in Amsterdam, Netherlands.

News

- 2019-04-24: The IMC Steering Committee has released a call for papers.
- 2019-04-22: IMC 2019 will be **double-blind**, please read the guidelines.
- 2019-04-03: IMC 2019 Call for Posters is available now!
- 2019-03-11: IMC 2019 Call for Shadow PC is available now.
- 2019-03-07: IMC 2019 Call for Papers is available now!
- 2019-03-01: Travel and visa information is online, added in the FAQ.
- 2019-02-20: IMC 2019 website is up.



Questions?

Contact

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