



4th Cyber Security in Networking Conference

October 21-23, 2020

Lausanne, Switzerland

[www.csnet-conference.org](http://www.csnet-conference.org)

Cybersecurity is the set of technologies, processes and practices designed to protect networks, computers, programs and data from attack, damage or unauthorized access. In a computing context, security includes both cybersecurity and physical security.

The driving theme at CSNet 2020 is **Cyber Security in Networking**. The technological disruption is generating an impact on society and leading to a new industrial revolution. This social and industrial change presents new technological environments constituted by ubiquitous systems and large amounts of information, which requires a change in the way how cybersecurity is applied. The use of big data, machine learning, data science, data mining, strengthens the cognitive skills of security analysts to face new forms of cybersecurity attacks. This new trend, called cognitive security, poses new challenges for researchers and companies to seek proactive security proposals according to this technological change.

Areas of interest include, but are not limited to:

- Attacks on Virtualized Systems
- Balancing Trust and Control
- Blockchain technology and CyberSecurity
- Cell Phones vulnerabilities
- Cloud of Security
- Cognitive Security
- Concealing Malware (Trojan Horses-Root kits-Logic Bombs)
- Cyber-attacks Cloud-oriented vs Cyber defense Cloud-oriented
- Cybersecurity
- Data Center Network Control, Security and Optimization
- Demilitarization Zone (DMZ)
- Designing a Security Policy
- Disaster recovery plan
- Enterprise Wireless Security
- Hardware-Based Attacks
- Host Network Intrusion Prevention Systems
- Industrial control system information security
- Infection Malware
- Integrated Network Security Hardware
- Internet Content Filters
- Internet security issues
- Network and operating system administration for security purposes
- Network Attached Storage (NAS)
- Network Intrusion Detection Systems (NIDS)
- Network security design
- Organizational Security Policies
- Secure Network through Network Design
- Security in Internet of Things
- Security in Fog/edge Computing
- Security of Virtual Machines
- Security, trust and privacy challenges
- Smart City Security
- Smart Grid security
- Cyber Physical System (CPS) security
- Software-Based Attacks
- System security for wired and wireless networks
- Virtual firewalls
- Privacy and responsibility in digital age
- Cybersecurity and human rights

## Paper Submission:

Submitted papers must represent original material that is not currently under review in any other conference or journal and has not been previously published. All submissions should be written in English with maximum of eight (8) printed pages (in Two-Column IEEE Conference Format), including text, figures and references. Papers should be submitted through EDAS <https://edas.info/N27274>

All accepted and presented papers will be published in IEEE Xplore Digital Library

Best papers will be considered for fast-track publication in the Annals of Telecommunications (Springer, ISI-indexed)

Information at: [www.csnet-conference.org](http://www.csnet-conference.org)

## Dates:

Paper Submission Due: July 26, 2020 (Extended)

Paper Notification: August 12, 2020

Final Papers Due: September 15, 2020

## General Chairs

Solange Ghernaoui (University of Lausanne, Switzerland)

Abdelmalek Benzekri (Paul Sabatier University, France)

## TPC Chairs

Romain Laborde (Paul Sabatier University, France)

Nadjib Aitsaadi (UVSQ Paris-Saclay, France)

## Keynote chair:

Patrick Hebrard (Naval Groupe, France)

## Publicity Chairs

Soumaya Cherkaoui (Sherbrooke University, Canada)

Rida Khatoun (Telecom Paris Tech, France)

Shanghai Jiao (Tong University, China)

## Publication chair

Joaquin Garcia-Alfaro (Telecom SudParis)

## Poster Chair

Driss Bouzidi (Mohammed V University of Rabat, Morocco)

## Industrial session chair:

Vincent Guyot (ESIEA, France)

## Demo Chair

Mostafa Belkasm (Mohammed V University of Rabat, Morocco)

## Local Arrangements

Léonore Cellier (UNIL, Switzerland),

## Steering Committee

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