**Call for Contributions**

**Note: Onsite and Online Options**
In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

**1. Inform the Chair:** with the Title of your Contribution
**2. Submission URL:**
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICN+2020+Special
Please select Track Preference as **CCST**

<div align="center">

Special track

# CCST: Recent Advances in Cloud Computing Security Technologies

**Chair and Coordinators**

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along with

**ICN 2020,** Nineteenth International Conference on Networks
https://www.iaria.org/conferences2020/ICN20.html
February 23, 2020 to February 27, 2020 - Lisbon, Portugal

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Cloud computing implementations have rapidly expanded in recent years. Cloud computing enables the creation and deployment of reliable, scalable, and high-performance services. The advances in cloud processing and storage paved the way for large-scale distributed computation and analysis of big data sets, which will benefit many areas in science, engineering, and medicine. Although cloud computing brings tremendous advantages and opportunities, security concerns still have a detrimental impact on its adoption and acceptability by businesses and organizations, especially the ones that deal with sensitive information. For such users, the loss of control over their data will introduce a high risk to confidentiality, privacy, and availability.

The goal of this special track is to bring together researchers, developers, users, students, and practitioners from the fields of cloud computing, big data, system architecture, virtualization, and high-performance computing, with an emphasis on how to build secure cloud computing platforms with real impact.

**Topics include, but not limited to:**

- Security of Cloud computing applications and services
- Novel security mechanisms in Cloud computing
- Big data security, database security, and distributed storage security
- Availability and fault tolerance for ubiquitous computing systems

- Analysis and evaluation of Cloud-based security
- Secure resource management in Cloud computing
- Deployment of security resources in Cloud systems
- Digital forensics in Cloud computing
- Cloud systems accountability & audit
- Authentication & authorization in the Cloud
- Cloud integrity and data verification mechanisms
- Blockchain-based secure Cloud services
- Cryptography in the Cloud
- Hypervisor and virtual machine security
- Identity management & security as a service
- Trust models and metrics for Cloud services
- Security of multi/federated Clouds
- Mobile Cloud computing security

**Contribution Types**
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

**Important Datelines**
Inform the Chair: As soon as you decide to contribute
Submission: January 5, 2020
Notification: January 24, 2020
Registration: February 1, 2020
Camera ready: February 1, 2020
*Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.*

**Paper Format**
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

**Publications**
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

**Paper Submission**
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICN+2020+Special
Please select Track Preference as **CCST**

**Registration**
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

**Contact**

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