

# **SIG on Cognitive Communications and Networking in Cyber-Physical Systems (CCNCPS)**

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# CCNCPS Activities

- [CCNCPS becomes the technical sponsor of WiSARN 2020](#): International Workshop on Wireless Sensor, Robot and UAV Networks, in conjunction with INFOCOM 2020.

## WiSARN 2020

### Wireless Sensor, Robot and UAV Networks

The 13th IEEE International Workshop on Wireless Sensor, Robot and UAV Networks is organized in conjunction with IEEE INFOCOM 2020 – IEEE Conference on Computer Communications.

It is a full-day workshop, which will be held in Beijing, China, on April 27th, 2020.

Features:

- Best Paper Award (BPA)
- Best-selected papers related to robotic sensors networks and 5G will be invited to submit an extended paper to the Special Issue on “Internet of Things and Sensors Network in 5G Wireless Communications”, MDPI Sensors journal
- Best-selected papers related to UAVs and control will be invited to submit an extended paper to the IEEE Transactions on Control of Network Systems (IEEE TCNS)

The event is organized with the technical sponsorship of

- **IEEE Special Interest Group (SIG) on Cognitive Communications and Networking in Cyber-Physical Systems.**

In conjunction with:

**IEEE INFOCOM** 

27 - 30 April 2020, **Beijing, China**

**Important Dates:**

Paper submission: **January 15th, 2020**

Notification: **February 15th, 2020**

Camera ready: **March 6th, 2020**

Presentation: **April 27th, 2020**

Submission: **EDAS link**

Technical sponsor

**IEEE ComSoc**  
IEEE Communications Society

*SIG on Cognitive Communications and  
Networking in Cyber-Physical Systems*

Sponsored by

# CCNCPS Activities

- Xianghui Cao (CCNCPS Chair) serves as **Associate Editor** of IEEE Technical Committee on Cyber-Physical Systems
- Xianghui Cao (CCNCPS Chair) organize a **special issue** on Resilient Control in Large-Scale Networked Cyber-Physical Systems in IEEE/CAA Journal of Automatica Sinica (CiteScore 2018: 5.31, Top 10% (Information System and Artificial Intelligence))



**IEEE Technical Committee Cyber-Physical Systems**

Reliability, Cyber, Cyber-Physical Systems (CPS), Cybersecurity, Resilience, Interoperability, Information Security, Safety, Availability

### Newsletter

- Volume 04, Issue 02 (Aug. 2019)
- Volume 04, Issue 01 (Feb. 2019)
- Volume 03, Issue 02 (Aug. 2018)
- Volume 03, Issue 01 (Feb. 2018)
- Volume 02, Issue 02 (Aug. 2017)
- Volume 02, Issue 01 (Feb. 2017)
- Volume 01, Issue 02 (Aug. 2016)
- Volume 01, Issue 01 (Feb. 2016)

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### CFP: Special Issue on Resilient Control in Large-Scale Networked Cyber-Physical Systems

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Journal of Automatica Sinica

Special Issue on ..... in Large-Scale Networked Cyber-Physical Systems

**Guest Editors**

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**Aims and Scope**

Recent advances in sensing, communication and computing have opened the door to the deployment of large-scale networks of sensors and actuators that allow fine-grain monitoring and control of a multitude of physical processes and infrastructures. The appellation used by field experts for these paradigms is Cyber-Physical Systems (CPS) because the dynamics among computers, networking media/resources and physical systems interact in a way that multi-disciplinary technologies (embedded systems, computers, communications and controls) are required to accomplish prescribed missions. Moreover, they are expected to play a significant role in the design and development of future



IEEE/CAA Journal of Automatica Sinica  
CiteScore 2018: 5.31  
Rank: Top 9% (Category of Control and Systems Engineering), Top 10% (Categories of Information System and Artificial Intelligence)

# CCNCPS Activities

- Prof. Enrico Natalizio (Vice chair of CCNCPS) serves as **General Chair** of WiSARN 2020: International Workshop on Wireless Sensor, Robot and UAV Networks.
- Prof. Xiangwei Zhou (Vice chair of CCNCPS) will be a **Symposium Co-chair** of IEEE GLOBECOM 2020
- Prof. Xiangwei Zhou (Vice chair of CCNCPS) Serves as **Web-chair** of EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous 2019)
- Prof. Ruilong Deng (Vice chair of CCNCPS) serves as **Symposium Chair**, IEEE SmartGridComm'19 Control and Operation Symposium