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## Networked Sensing for Autonomous Cyber-Physical Systems: Theory and Applications

Guest Editors:

**Dr. Liang Hu**

**Prof. Dr. Hui Yu**

**Prof. Dr. Seán McLoone**

**Prof. Dr. Liming Chen**

### Message from the Guest Editors

This Special Issue invites contributions that address: (i) networked sensing technologies and issues; and (ii) techniques of relevance to tackle the challenges above. In particular, submitted papers should clearly show novel contributions and innovative applications covering, but not limited to, any of the following topics on networked sensing in auto-CPS:

Deadline for manuscript  
submissions:  
**closed (1 May 2020)**

- Big data in sensor networks
- Data mining and/or analysis in social media/networks
- Data security and privacy in autonomous CPS
- Distributed signal processing in networked environments
- Data fusion with multiple/heterogeneous sensors
- Data-driven condition monitoring
- Machine learning for networked sensing in autonomous systems
- Situation awareness for autonomous systems
- Sensor technology integration into cyber-physical systems
- Soft sensing applications for cyber-physical systems

This Special Issue will be an open call but also invites selected papers from the 5th IEEE Smart World Congress 2019 (SWC2019).



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# Special Issue



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## Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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