**16th IEEE International Conference on Networking, Sensing and Control**

**May 9-11, 2019, Banff, Canada**

**Sponsors: IEEE SMC Society and Nanjing University of Science and Technology**

## General Chair

Jiacun Wang, Monmouth University

## General Co-Chair

## Jianyu Wang, Nanjing Univ. Sci. Tech.

## Program Chair

Haibin Zhu, Nipissing University

## Program Co-Chair (Networking)

## Eugenio Cesario, ICAR-CNR

## Program Co-Chair (Sensing)

## Chunrong Pan, Jiangxi Univ. Sci. Tech.

## Program Co-Chair (Control)

## Jian Guo, Nanjing Univ. Sci. Tech.

## Special Session Chair

## Qi Kang, Tongji University

## Tutorial/Workshop Chair

## Weimin Wu, Zhejiang Univ

## Publicity Chair

## Peiyun Zhang, Anhui Normal Univ

## Publication Chair

A. Khreishah, New Jersey Inst. Tech

## Award Co-Chairs

## Giancarlo Fortino, Univ. of Calab

## Xuemin Chen, Texas Southern Univ

## Finance Chair

## Xianzhong Zhou, Nanjing Univ

## Local Arrangement Chair

Mahmood Moussavi, Univ. of Calgary

**Web Master**

Shicai Fan, Monmouth Univ

## Steering Committee

MengChu Zhou, New Jersey Institute of

Technology (Chair)

Tsu-Tian Lee, Tamkang University

(Co-Chair)

Francesco Basile, Univ. of Salerno

Ni-Bin Chang, Univ. of Central Florida Feng Chu, Univ. d'Evry Val d'Essonne Mincong Deng, Tokyo Univ. of A.& T.

Yo-Ping Huang, Nat. Taipei U. of Tech. Xiaoou Li, CINVESTAV-IPN

Saïd Mammar, U. d'Evry Val d'Essonne

Ting Qu, Jinan University

Naiqi Wu, Macao Univ. Sci. Tech



# Call for Special Sessions/ Workshop

Interested attendees are encouraged to propose special sessions/workshops, each of which consists of five papers providing a focused discussion of new or innovative topics. Each proposal must include the session/workshop title, description, organizers and affiliations. Proposals should be sent to the workshop chairs or special session chairs with the following emails.

# Web Site and Contact Email for Inquires

# Web: <http://www.ieeeicnsc.org/>

**Email:** [**jwang@monmouth.edu**](mailto:jwang@monmouth.edu)**, haibinz@nipissingu.ca**

Special Session Chair email: [kangqi\_tj@163.com](mailto:kangqi_tj@163.com); cc to haibinz@nipissingu.ca

special session papers will undergo the same intense review process and submission is not a guarantee for acceptance. Special session papers must be clearly indicated when submitted with a copy sent to the designated special session organizer.

# Paper Submission

Complete manuscripts must be electronically submitted through the conference website

[**https://easychair.org/conferences/?conf=icnsc2019**](https://easychair.org/conferences/?conf=icnsc2019)

Submitted manuscripts should be within six (6) pages in IEEE two-column format, including figures, tables, and references. Please use the templates at [Manuscript Templates for IEEE Conference Proceedings](http://www.ieee.org/conferences_events/conferences/publishing/templates.html) from the conference website to prepare your paper. All submissions MUST be in PDF format.

**Important Dates**

October 30, 2018 Special session proposals deadline

January 15, 2019 Full paper submission due

January 30, 2019 Paper submission due (only for special session)

Feb. 15, 2019 Notification of acceptance

March 31, 2019 Camera-ready copy due

May 9-11, 2019 Conference

Homeland security

Human factors

Human adaptive mechatronics Human/computer interface Industrial 4.0 system and practice

Information systems & infrastructure

Intelligent vehicle highway systems

Internet of things

Medical and patient monitoring Micro/nano, electro-mechanical sensor systems

Multi-level multi-objective optimization

Network security

Network-based computing systems

Networked control systems

**Theme: Towards an intelligent world**

The 2019 IEEE International Conference on Networking, Sensing and Control will be held in Banff, a national park in Alberta, Canada. This conference brings together both academy and industry to address new challenges, share solutions and discuss future research directions. It will feature plenary speeches, panel sessions, tutorials, workshops, interactive sessions, and invited/special sessions. Contributions are expected from academia, industrial, and management agencies. **The conference theme is: Towards an intelligent world.** Technical topics of the conference include but are not limited to:

Resilient control systems

Sensor design, integration and fusion

Sensor networks

Smart car and vehicle control Smart city

Smart grids

Smart home environments

Smart vision and image processing

Software engineering for the IoT

Social networking

Social simulation

Space-based networking

Tele-robotics

Wearable computing and communications

Wireless communications

Wireless sensor networks

Adaptive systems

Autonomous agents and multi-agent

Automobile control and sensor systems Big Data analytics

Collaborative systems Complex system management Control of networks

Cyber-physical systems

Discrete event systems

Distributed intelligent systems Emergency mitigation Emergency planning Emergency response

Fuzzy and neural systems Hazard mitigation

Heterogeneous wireless networks