

## **National Computer Symposium 2019 (全國計算機會議 NCS 2019)**

### **Intelligent Machine Perception and Human-Machine Interaction Workshop**

**(智能認知與人機互動研討會)**

**14-15 December, National Quemoy University, Kinmen, Taiwan**

**Conference Website: <http://ncs2019.nqu.edu.tw/>**

#### **Call for Papers**

This workshop will be the most comprehensive conference focused on the various aspects of advances in Intelligent Machine Perception and Human Machine Interaction. The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of machine perception and human machine interaction. Papers describing new methods or technologies, advanced prototypes, systems, tools and techniques and general survey papers indicating future directions are encouraged. The topics to be covered include, but are not limited to:

- Human-Machine Interfaces
- Multi-modal Human Machine Interaction
- Computer Vision
- Computer Speech
- Computer Graphics
- Virtual Reality and Augmented Reality
- Artificial Intelligence
- Natural Language Processing/Understanding
- Pattern Analysis and Recognition
- Object Detection/Recognition
- Machine Learning and Deep Learning
- Brain Machine Interfaces
- Intelligent Robot Control
- Affective Computing
- Biometrics
- Hybrid Intelligent System Design
- Fuzzy/Neuro Technologies and Systems
- Smart Surveillance Technologies and Systems
- Driver Assistance Technologies and Systems
- Health Care Systems
- Distributed Intelligent Systems
- Simulator Training Systems

- Edutainment Technologies/Applications
- Digital Arts/New-Generation Media

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**Co-Chairs:**

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