
Report by IEEE TCCN SIG on AI Embedded Cognitive Networks (AICN)

2020

**Kai Yang
Chair IEEE TCCN SIG on AICN
Distinguished Professor
Computer Science Department
Tongji University**

Team

Officers and Advisors

Officers :

Dr. Kai Yang, Tongji University, China
Dr. Sijia Liu , IBM Research, USA
Dr. Yanjia Sun , Huawei Research, USA
Dr. Yasin Yılmaz University of South Florida, USA
Dr. Weiqiang Xu, Zhejiang University of Science and Technology, China

Advisors :

Dr. Alfred Hero , University of Michigan
Dr. Yingchang Liang , University of Electronic Science and Technology of China

Founding Members

Dr. Richard Gitlin, University of South Florida, USA, IEEE Fellow, National Academy of Engineering Member
Dr. Alfred Hero, University of Michigan, USA, IEEE Fellow
Dr. Yingchang Liang, University of Sydney, IEEE Fellow
Dr. Kwang-Cheng Chen, University of South Florida, USA, IEEE Fellow
Dr. Huseyin Arslan, University of South Florida, USA, IEEE Fellow
Dr. Ismail Guvenc, North Carolina State University, USA
Dr. Biao Chen, Professor, Syracuse University, USA, IEEE Fellow
Dr. Engin Masazade, Yeditepe University, Turkey
Dr. Hao Chen, Boise State University, USA
Dr. Pin-Yu Chen, Research Scientist, AI Foundations Lab
IBM Thomas J. Watson Research Center, USA

1 NAE member + 6 IEEE Fellows

Members from both academia and industry

Established on June 2017

- **Symposium Chairs:**
 - Prof. Kai Yang, Tongji University, China
 - Prof. Georgios Ropoīs, CentraleSupélec, Campus Rennes
 - **Number of Submissions:**
 - 55 submission from > 10 Countries
 - **TPC Members and Review Process:**
 - Mix from industry and academia
 - Each TPC member received at most 3 papers for handling the review process

 - CRAN1: Cognitive techniques using neural networks
 - CRAN2: Cognitive radio and spectrum sharing
 - CRAN3: Cognitive RF resource management and allocation
 - CRAN4: RL for network access optimization
-

Other activities

2020 IEEE Big Data Industry & Government Program
Symposium Co-Chair: Dr. Siyuan Lu, IBM Research, USA

2020 KDD Workshop on Adversarial Learning Methods for
Machine Learning and Data Mining
Symposium Co-Chair: Pin-Yu Chen, Sijia Liu (IBM Research)

2019 IEEE Global SIP Symposium on Signal Processing and
Machine Learning for Social Good
Symposium Co-Chair: Yasin Yilmaz (USF)

Kai Yang was invited to give a talk at IEEE International Conference on
High Performance Switching and Routing 2020 (Newark, USA)

Journal Editors by AICN members

IEEE Internet of Things Journal (Kai Yang)
IEEE Communications Surveys and Tutorials (Kai Yang)
Safe and Trustworthy Machine Learning (Pingyu Chen)

*Thank you for your
attention!!*

For any further information, please contact
ky2123@caa.columbia.edu
