

2018

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

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Chair IEEE TCCN SIG on AICN
Distinguished Professor
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Objective and Scope

AI has recently attracted significant attentions in the Telecom domain, both from the carrier side and the equipment vendor side. This is due to the fact that operators are sitting on gold mines of networked data and there are strong demands for methods, algorithms, and tools that are developed to detect network anomalies, optimize the network RF coverage, improve the customer experience, and gain other actionable insights from the massive amount of data set. The ultimate goal is to make the communication network self-adaptive, self-managed, and truly cognitive. Toward this end, we have formed the AICN SIG group to provide a platform for researchers, data scientists, computer scientists to share their ideas, key technologies, and latest results in the area of AI embedded cognitive networks.



Officers and Advisors**Officers:**

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

Advisors:

Dr. Alfred Hero, University of Michigan
Dr. Yingchang Liang, University of Sydney

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

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YOUR TEXT

2016 / 2017 IEEE Workshop Data Science for Networking (DS4N)

<https://ds4n.github.io/>

Held on December 14, 2017 in Boston, USA
Workshop Chairs: Hui Zang, Huawei Technologies, USA,
Kai Yang, Tongji University, China
Jin Yang, Huawei Technologies, USA

2018 IEEE International Conference on Multimedia and Expo (ICME)

Workshop Chair: Kai Yang

http://www.icme2018.org/conf_workshops

2018 Machine Learning and Artificial Intelligence for Multimedia Creation (In conjunction with ICME 2018)

Chairs: Yanjia Sun, Sijia Liu and Pin-Yu Chen

<https://hellomlai2017.github.io/>

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YOUR TEXT

2018 IEEE Internet of Things Journal
Special Issue on AI Enabled Cognitive Communications and
Networking

Guest Editor: Dr. Kai Yang (Tongji University, China)

Dr. Sijia Liu (University of Michigan, USA)

Dr. Yasin Yilmaz (University of South Florida, USA)

Dr. Pin-Yu Chen, (IBM Thomas J. Watson Research Center, USA)

Dr. Anwar Walid (Nokia Bell Labs Research, USA)

Deadline: 2018 May 15th

Attracted ~ 50 submissions worldwide

2018

Thanks