Editorial
IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS

HAPPY "New Year of Tiger!" At celebrating the beginning of 2022 spring, I would like to take this opportunity to wish everyone an energetic, healthy, and prosperous new year! It is my great honor to serve as the Editor-in-Chief of IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS (TCDS).

First, I want to convey my sincere thanks to my predecessor, Prof. Yaochu Jin, for his efforts and vision in leading TCDS with great success. Under his leadership, TCDS has continued to grow in terms of quality: the latest impact factor (IF) is 3.379 according to JCR 2020. This has placed TCDS among the premier journals in the field.

As we are facing a new era of scientific publication today with many new initiatives and platforms, I would like to highlight a few key challenges and opportunities for TCDS to ensure its continuous growth and success. As one of the premier journals in the field, it is highly important for TCDS to continuously evolve, and to be able to adapt to the new trends of the research landscape. TCDS is a unique journal of IEEE which covers the cross-disciplinary research topics of cognitive and neuroscience mechanisms, brain-inspired computing, neuro-cognitive robotics, learning models, etc. (Fig. 1). In particular, as brain-inspired artificial intelligence and neuromorphic computing have spurred high interests among many areas, TCDS is well positioned to become an ideal platform for researchers to publish and as well as to get inspired from the cutting-edge cross-disciplinary research outcomes.

As EIC of TCDS, I weigh both high: the journal's reputation and responsibility to authors. While many factors could impact this time window during the peer-review process, I will make efforts to check the review progress, as well as actively communicate with AEs and work closely with reviewers in order to ensure a timely and high-quality review process for each submission. We will continuously monitor the review quality and aim to provide professional and constructive review comments to authors. I am confident that with the expertise and dedicated service of our Editorial Board and reviewers, we can further reduce the submission-to-decision time window and maintain the highest publication standards.
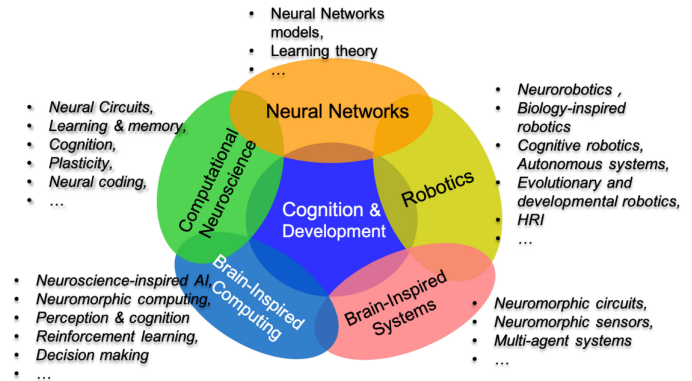
Fig. 1. Cross-disciplinary scope.

With the continuous growth of our journal, it is important to maintain a highly qualified and experienced editorial board to ensure the high standard of TCDS. I am pleased to introduce the following new associate editors, whose term officially started on January 1, 2022:

1) Fei Chen, Chinese University of Hong Kong, Hong Kong.
2) Deniz Erdogmus, Northeastern University, USA.
3) Frank Guerin, University of Surrey, U.K.
4) Xian-Sheng Hua, Alibaba DAMO Academy, China.
5) De-Shuang Huang, Guangxi Academy of Science, China.
6) Sung-Phil Kim, Ulsan National Institute of Science and Technology, South Korea.
7) Jeffrey Krichmar, University of California at Irvine, USA.
8) Haiping Lu, University of Sheffield, U.K.
9) Pinaki Mazumder, University of Michigan, USA.
10) Shingo Murata, Keio University, Japan.
11) Garrick Orchard, Intel Labs, USA.
12) Ning Qiao, SynSense Technology Company, China.
13) Qinru Qiu, Syracuse University, USA.
14) Cheston Tan, Institute for Infocomm Research, Singapore.
15) Marley Vellasco, Pontifical Catholic University of Rio de Janeiro, Brazil.
16) Yiwen Wang, Hong Kong University of Science and Technology, Hong Kong.

17) Yueming Wang, Zhejiang University, China.

18) Hongxia Yang, Alibaba DAMO Academy, China.

I am thankful for the opportunity to work for TCDS, as we are able to collaborate hand-in-hand from all over the world, with diversified experiences and expertise areas. I appreciate very much the experience working with everyone of our editorial board! We all contribute voluntarily to the TCDS journal, with our efforts, time, expertise, professional actions, and scientific spirits, to reach our common goal of making TCDS a high-quality, highly respected journal!

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