

Editorial

IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS

IN THE early spring decorated with pink, white, and yellow plum blossoms, as the Editor-in-Chief of the IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS (TCDS), I would like to take this opportunity to wish everyone a healthy and productive new year of 2023!

TCDS is a unique multidisciplinary journal distinguished from other IEEE periodicals, spanning across three major disciplines: AI, robotics, and neuroscience. It is continuing to achieve well in terms of submissions' quality and quantity. The latest impact factor (IF) is 4.546 according to the Journal Citation Report 2021. This has placed TCDS among the premier journals in the field. The manuscripts submission number of 2022 has reached a record high of 600 papers, increasing about 50% as compared to the submission number in 2020.

It is highly important for TCDS to continuously evolve to adapt to the new trends of the research landscape. TCDS welcomes submissions from the cross-disciplinary research topics, such as brain-inspired artificial intelligence, cognitive and neuroscience mechanisms, neuromorphic computing, neuro-cognitive robotics, innovative learning models and algorithms, etc. TCDS is well positioned to become an ideal platform for researchers to publish and get inspirations from the cutting-edge multidisciplinary research works.

Certainly, the success of TCDS relies on the professional and dedicated contributions of the editorial board, reviewers, and authors. The editorial board of TCDS will make all efforts to ensure a timely and high-quality review process for each submission. I am grateful to the dedicated service of our board members and reviewers who helped to reduce the review time window and maintain the highest publication standards.

With the growth of the journal, it is important to maintain a highly qualified editorial board to ensure the high standard of TCDS. I am happy to welcome 16 new associate editors onboard starting from January 2023, who have rich and diversified expertise in cognitive neuroscience, cognitive robotics and reinforcement learning, brain-computer interfaces, etc.

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