

Editorial

“HAPPY New Year!” As you open this January issue of the IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS (TNNLS), I hope everyone enjoyed a healthy and happy holiday season! At the beginning of 2022, it is my great honor and privilege to serve as the Editor-in-Chief (EiC) of IEEE TNNLS, and I am excited to write this Editorial to start a new journey with you all.

First of all, I would like to offer a heartfelt “Thank You” to my predecessor, Haibo He, for his efforts and vision in leading TNNLS over the past six years with great success. Under his leadership, TNNLS has continued to grow in terms of both quantity and quality: The latest impact factor (IF) according to Journal Citation Reports is 10.451, and the number of total citations reached 36361. This has placed TNNLS among the premier journals in the field. With the most recent release of the IF, TNNLS is now ranked no. 3 in computer science (theory and methods), no. 3 in computer science (hardware and architecture), no. 10 in computer science (artificial intelligence), and no. 11 in electrical and electronic engineering. I would like to congratulate Haibo for his leadership and dedicated service in achieving these significant outcomes!

The success of TNNLS is also rooted in our large number of dedicated volunteers and supporters, including the IEEE Computational Intelligence Society (CIS) leadership, the IEEE Publications and Editorial Staff, our dedicated Editorial Board members, reviewers, authors, and readers.

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 TNNLS. For this reason, we have recruited 30 new Associate Editors (AEs) this year. Please join me in welcoming the following new AEs, whose terms officially start on January 1, 2022.

Prasanna Date, Oak Ridge National Laboratory (ORNL), USA

Weiping Ding, Nantong University, China

Eyad Elyan, Robert Gordon University, U.K.

Mauro Gaggero, National Research Council of Italy, Italy

Chuang Gan, MIT-IBM Watson AI Lab, USA

Hongbo Gao, University of Science and Technology of China, China

Shangce Gao, University of Toyama, Japan

Bin Jiang, Nanjing University of Aeronautics and Astronautics, China

Baiying Lei, Shenzhen University, China

Xuelong Li, Northwestern Polytechnical University, China

Zechao Li, Nanjing University of Science and Technology, China

Min Liu, Hunan University, China

Xinwang Liu, National University of Defense Technology, China

Mi Lu, Texas A&M University, USA

Xin Luo, Chinese Academy of Sciences, China

Lam M. Nguyen, IBM Thomas J. Watson Research Center, USA

Yew-Soon Ong, Nanyang Technological University, Singapore

Danilo Pietro Pau, STMicroelectronics, Italy

Jiahu Qin, University of Science and Technology of China, China

Kai Qin, Swinburne University of Technology, Australia

Nalini K Ratha, SUNY Buffalo, USA

Lei Ren, Beihang University, China

K.P. Subbalakshmi, Stevens Institute of Technology, USA

Felipe Tobar, Universidad de Chile, Chile

Yujuan Wang, Chongqing University, China

Tao Yang, Northeastern University, China

Yongliang Yang, University of Science and Technology Beijing, China

Jinpeng Yu, Qingdao University, China

Qiang Yu, Tianjin University, China

Yuanheng Zhu, Chinese Academy of Sciences, China

TNNLS now has over 150 AEs worldwide. I will work closely with each of them toward establishing a strong, highly motivated, and effectively performing editorial board; strengthening TNNLS's global authorship; and promoting TNNLS to significantly increase the number of worldwide readerships.

As the core driving force of artificial intelligence and related technologies, neural networks have become more and more popular and have found their wide applications almost everywhere. In fact, neural networks are going through a kind of renaissance, in which neural networks and the related learning mechanisms have a tremendous impact on AI, making TNNLS well positioned for further development. Let us work diligently together to advance TNNLS to an even higher level of excellence.

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