

15th International Symposium on Neural Networks

June 25-28, 2018 Minsk, Belarus

General Chairs

Sergey V. Ablameyko, Belarusian State University, Minsk, Belarus
Jun Wang, City University of Hong Kong, Hong Kong

Advisory Chairs

Witali L. Dunin-Barkowski, Moscow Institute of Physics and Technology, Moscow, Russia
Robert Kozma, University of Memphis, Memphis, USA
Boris V. Kryzhanovskiy, Center for Optical Neural Technologies, Scientific Research Institute for System Analysis, Russian Academy of Sciences, Moscow, Russia
Derong Liu, University of Illinois – Chicago, Chicago, USA
Leszek Rutkowski, Technical University of Czesochowa, Czesochowa, Poland

Steering Chairs

Haibo He, University of Rhode Island, Kingston, USA
Derong Liu, University of Illinois – Chicago, Chicago, USA
Jun Wang, City University of Hong Kong, Hong Kong

Organizing Chairs

Fengyu Cong, Dalian University of Technology, Dalian, China
Shuhong Guo, Dalian University of Technology, Dalian, China
Shunyong Ji, Dalian University of Technology, Dalian, China
Dmitri Medvedev, Belarusian State University, Minsk, Belarus

Program Chairs

Tingwen Huang, Texas A&M University - Qatar, Doha, Qatar
Jiancheng Lv, Sichuan University, Chengdu, China
Changyin Sun, Southeast University, Nanjing, China
Alexander V. Tuzikov, United Institute of Informatics, National Academy of Sciences of Belarus, Minsk, Belarus

Special Sessions Chairs

Long Cheng, Institute of Automation, Chinese Academy of Sciences, Beijing, China
Shukai Duan, Southwest University, Chongqing, Chongqing, China
Valeri Gromak, Belarusian State University, Minsk, Belarus
Tieshan Li, Dalian Maritime University, Dalian, China

Publicity Chairs

Jinde Cao, Southeast University, Nanjing, China
Min Han, Dalian University of Technology, Dalian, China
Xiaofeng Liao, Southwest University, Chongqing, China
Jun Zhang, South China University of Technology, Guangzhou, China
Nian Zhang, University of District of Columbia, Washington, USA

Publications Chairs

Yuejiao Gong, South China University of Technology, Guangzhou, China
Xinyi Le, Shanghai Jiao Tong University, Shanghai, China
Sitian Qin, Harbin Institute of Technology – Weihai, Weihai, China
Zheng Yan, University Technology Sydney, Sydney, Australia

Registration Chairs

Shenshen Gu, Shanghai University, Shanghai, China
Chengan Guo, Dalian University of Technology, Dalian, China
Qingshan Liu, Huazhong University of Science and Technology, Wuhan, China
Ka Chun Wong, City University of Hong Kong, Hong Kong

Local Arrangements Chairs

Tatiana Dick, Yuri Metelsky, Dmitri Malinin, Belarusian State University, Minsk, Belarus

Secretary

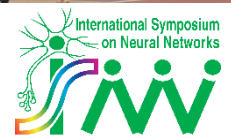
Ying Qu, Dalian University of Technology, Dalian, China

Website: <https://conference.cs.cityu.edu.hk/isnn/>

Email: isnn@cs.cityu.edu.hk

Call for Papers

<https://conference.cs.cityu.edu.hk/isnn/>



Sponsors/organizers: Belarusian State University, Dalian University of Technology, and City University of Hong Kong

Technical co-sponsors: Asia Pacific Neural Network Society, International Neural Network Society, Polish Neural Networks Society, and Russian Neural Networks Society

Proceedings publisher: Springer Lecture Notes in Computer Science

Following the successes of previous events, the 15th International Symposium on Neural Networks (ISNN 2018) will be held in Minsk, Belarus. Located by the Svislach and the Nyamiha Rivers, Minsk is the capital and largest city of Belarus with a population of over two millions. ISNN 2018 aims to provide a high-level international forum for scientists, engineers, and educators to present the state of the art of neural network research and applications in related fields. The symposium will feature plenary speeches given by world renowned scholars, regular sessions with broad coverage, and special sessions focusing on popular topics.

Call for Papers and Special Sessions

Prospective authors are invited to contribute high-quality papers to ISNN 2018. In addition, proposals for special sessions within the technical scopes of the symposium are solicited. Special sessions, to be organized by internationally recognized experts, aim to bring together researchers in special focused topics. Papers submitted for special sessions are to be peer-reviewed with the same criteria used for the contributed papers. Researchers interested in organizing special sessions are invited to submit formal proposals to ISNN 2018. A special session proposal should include the session title, a brief description of the scope and motivation, names, contact information and brief biographical information of the organizers.

Topic Areas

Topics areas include, but not limited to, computational neuroscience, connectionist theory and cognitive science, mathematical modeling of neural systems, neurodynamic analysis, neurodynamic optimization, adaptive dynamic programming, embedded neural systems, probabilistic and information-theoretic methods, principal and independent component analysis, hybrid intelligent systems, supervised learning, unsupervised learning, reinforcement learning, deep learning, brain imaging, neural information processing, neuroinformatics, bioinformatics, support vector machines, kernel methods, autonomous mental development, data mining, pattern recognition, time series analysis, image and signal processing, robotics, control systems, telecommunications, transportation systems, intrusion detection and fault diagnosis, hardware implementation, financial engineering, business intelligence, real-world applications.

Paper Submission

Authors are invited to submit full-length papers (10 pages maximum) by the submission deadline through the online submission system. Potential organizers are also invited to enlist five or more papers with cohesive topics to form special sessions. The submission of a paper implies that the paper is original and has not been submitted under review or is not copyright-protected elsewhere and will be presented by an author if accepted. All submitted papers will be refereed by experts in the field based on the criteria of originality, significance, quality, and clarity. The authors of accepted papers will have an opportunity to revise their papers and take consideration of the referees' comments and suggestions. The proceedings of ISNN 2018 will be published in the Springer LNCS series and selected good papers will be included in special issues of SCI journals.

Important Dates

Special session proposals deadline.....December 15, 2017
Paper submission deadline.....January 15, 2018
Notification of acceptance..... February 15, 2018
Camera-ready copy and author registration.....March 15, 2018

