callforpaper.org

China July 4-6, 2025

CONFERENCE WEBSITE: https://aaci.org.hk/ncaa2025/

About the Conference

Call for Papers
NCAA is an annual international neural computing conference, which showcases state-of-the-art R&D activities in neural computing systems and their industrial and engineering applications. It provides a forum for technical presentations and discussions among neural computing researchers, developers and users from academia, business and industry.

The 2025 NCAA will be held in Hong Kong on July 4-6, 2025. Hong Kong is a special administrative region of China. With 7.4 million residents of various nationalities in a 1,104-square-kilometre (426 sq mi) territory, Hong Kong is the fourth most densely populated region in the world. Originally a sparsely populated area of farming and fishing villages, the territory is now one of the world's most significant financial centres and commercial ports. Hong Kong is the world's third-ranked global financial centre (behind New York City and London), ninth-largest exporter, and eighth-largest importer. Its currency, the Hong Kong dollar, is the ninth most traded currency in the world. Home to the seventh-highest number of billionaires of any

Important Dates

JUL 04

CONFERENCE DATE
July 4-6, 2025

city in the world, Hong Kong has the largest number of ultra high-net-worth individuals.

For up-to-date information on NCAA2025, visit its homepage: https://aaci.org.hk/ncaa2025/

TOPICS of interest must be highly relevant to neural computing and its applications for building practical systems, including but not limited to: applicable neural networks theory, neuro-system circuit design and integration, network-based control theory and systems, cognitive sciences-driven evolutionary computing, neuro-fuzzy systems and its applications in decision making, network-based fault diagnosis and explainable reasoning, neural network-based time series modeling and forecasting, machine learning and deep learning for applications in data mining, pattern recognition, computer vision, natural language processing and industrial artificial intelligence.

Technical Tracks
All submitted papers will be categorized into following technical tracks:

Neural network (NN) theory, NN-based control systems, neuro-system integration and engineering applications

Track chairs: Zenghui Wang (University of South Africa), Menghua Zhang (Jinan University), Yongji Wang (Huazhong University of Science and Technology) , He Chen (Hebei University of Technology)

Machine learning and deep learning for data mining and data-driven applications

Track chairs: Li Zhang (Soochow University), Zhao Kang (University of Electronic Science and Technology), Jicong Fan (Chinese University of Hong Kong Shenzhen)

Computational intelligence, nature-inspired optimizers, and their engineering applications

Track chairs: Zhile Yang (Chinese Academy of Sciences, SIAT), Xiaozhi Gao (University of Eastern Finland), Xin Zhang (Tianjin Normal University)

Neuro/fuzzy systems, multi-agent control, decision making, and their applications in smart construction and manufacturing

Track chairs: Chengdong Li (Shandong Jianzhu University), Yi Xia (Chongqing University), Qiang Jia (Jiangsu University)

Deep learning-driven pattern recognition, computer vision and its industrial applications

Track chairs: Zhong Ji (Tianjin University), Yan Zhang (Soochow University), Jianghong Ma (Harbin Institute of Technology Shenzhen)

Natural language processing, knowledge graphs, recommender systems, and their applications

Track chairs: Kun Zeng (Sun Yat-Sen University), Wenxiu Xie (City University of Hong Kong), Lan Shuai (Educational Testing Service, USA)

Neural computing-based fault diagnosis and forecasting, prognostic management, and cyber-physical system security

Track chairs: Xiaojin Tang (Beijing Institute of Spacecraft Environment Engineering), Binqiang Chen (Xiamen University), Yizhen Peng (Chongqing University), Weizhi Meng (Technical University of Denmark)

Sequence learning for spreading dynamics, forecasting, and intelligent techniques against epidemic spreading

Track chairs: Choujun Zhan (South China Normal University), Wei Huang (Zhejiang University of Technology), Dong Yang (University of California at Merced)

Multimodal Deep Learning for Represeantation, Fusion and Applications

Track Chairs: Yinwei Zhan (Guangdong University of Technology), Yongyi Gong (Guangdong University of Foreign Studies), Zhenguo Yang (Guangdong University of Technology)

Neural computing-driven edge intelligence, machine learning for mobile systems, pervasive computing and intelligent transportation systems

Track Chairs: Hao Zhang, Chongqing University of Posts and Telecommunications, China; Ke Xiao, Chongqing Normal University, China

Applications of Data Mining, Machine Learning and Neural Computing in Language Studies

Track Chairs: Yuanyuan Mu (Chaohu University), Yingyi Zhuang (The Chinese University of Hong Kong (Shenzhen)), Yubin Zhu (Anhui University)

Computational intelligent Fault Diagnosis and Fault-Tolerant Control, and Their Engineering Applications

Track Chairs: Hongjun Ma (South China University of Technology), Xu Yang (University of Science and Technology Beijing) , Junwei Zhu (Zhejiang University of Technology)

Time-series analysis, prediction, and evaluation methods based on NCAA2022 benchmarks

Track Chairs: Qian Li (Nanchang University), Ruiqi Jiang (The University of Hong Kong), Tong Liu (The University of Sheffield), Xiumin Li (Chongqing University)

Submission Instructions
Authors should submit papers reporting original work that are currently not under review or published elsewhere. Accepted full papers will be published in the conference proceedings. Submissions for full papers must be no less than 12 pages and not exceed 15 pages (including citations) in CCIS (Communications in Computer and Information Science) format. We encourage authors to cite related work comprehensively, and when citing conference papers please also

consider to cite their extended journal versions if applicable.

NCAA 2025 will employ double-blind reviewing process, every research paper submitted to NCAA 2025 will undergo a “double-blind” reviewing process: the PC members and referees who review the paper will not know the identity of the authors. To ensure anonymity of authorship, authors must prepare their manuscript as follows:

Author’s names and affiliations must not appear on the title page or elsewhere in the paper.
Funding sources must not be acknowledged on the title page or elsewhere in the paper.
Research group members, or other colleagues or collaborators, must not be acknowledged anywhere in the paper.
Source file naming must also be done with care, to avoid identifying the author’s names in the paper’s associated metadata. For example, if your name is Jane Smith and you submit a PDF file generated from a .dvi file called Jane-Smith.dvi, your authorship could be inferred by looking into the PDF file.
It is the responsibility of authors to do their very best to preserve anonymity. Papers that do not follow the guidelines here, or otherwise potentially reveal the identity of the authors, are subject to immediate rejection. Because of the double blind review policy, the submission of an extended version of a short paper which has published elsewhere is strongly discouraged in NCAA 2025.

Before submission, please read the instructions for authors CAREFULLY (find it here).

Please use one of the following templates for the CCIS (Communications in Computer and Information Science) format:

LaTeX2e Proceedings Templates (zip)
Microsoft Word Proceedings Templates (zip)
Microsoft Word 2003 Proceedings Templates (zip)
Any submitted paper violating the length, file type, or formatting requirements will be rejected without review. For any problems with the submission system, please contact the PC co-chairs directly.

Submission URL: Easychair for NCAA 2025
Authors must select one of above-mentioned technical tracks(/topics) to submit their papers in easychair system. Submitted papers will undergo a double-blind peer review process, coordinated by the International Program Committee.

The Program Chairs are soliciting contributed technical papers for presentation at the Conference and publication in the Conference Proceedings by Springer Verlag in the CCIS. All accepted regular papers will be submitted to Springer Verlag for EI and ISTP indexing. Authors of selected outstanding papers will be invited to submit their extended technical papers to several SCI journals for a possible publication after ordinary review process, such as IEEE Trans. on Consumer Electronics (pending, impact factor: 4.3), Mathematics (impact factor: 2.4), Industrial Artificial Intelligence (a NEW Springer Journal), etc.

IMPORTANT DATES
March 1, 2025 (11:59 pm, Pacific Standard Time):

Early-round Paper Submission Due

March 31, 2025: Early-round Acceptance Notification

April 7, 2025: Second-round Paper Submission Due

May 14, 2025: Second-round Acceptance Notification

July 4-6, 2025: Conference Dates

TOPICS OF INTEREST

2 topics

Research papers are invited in, but not limited to, the following areas:

- Uncategorized
- Artificial Intelligence & Machine Learning