SCIENCE CHINA Information Sciences

Call for Papers

Special Topic: Bio-Inspired Intelligence Systems

Unmanned systems are regarded as the crucial equipment of the country. However, unmanned systems are currently applied to ideal environment, pre-loaded task, and deterministic mode, which are lack of intelligent learning and evolution capabilities. AI methods which are solely dependent on Large Language Model and big data may not guarantee the safety, autonomy, and reliability of unmanned systems in the presence of extreme (dangerous, special, severe, cataclysmic, and confrontational) environments. "Natural selection, survival of the fittest" inspire the research community to learn from biology. Bio-inspired intelligence aims to empower unmanned systems the capabilities of smart recognition, understanding, and decision, autonomous navigation, dexterous manipulation, intelligent collaboration, and evolution. In this context, it is urgent to develop advanced and effective bio-inspired intelligence technologies from both theoretical and practical aspects, including the full chain of intelligent algorithms, intelligent devices, intelligent systems, and intelligent tests. The purpose of this special issue is to show and share new ideas and achievements in bio-inspired intelligence systems.

Scientific researchers and engineering technicians are welcome to write papers, express views, and showcase achievements on related topics to jointly promote the development of bio-inspired intelligence systems. The topics include but are not limited to:

(1) Interpretation of bio-inspired motion information
(2) Intelligent perception of spatio-temporal information
(3) Bio-inspired manipulation
(4) Dynamic closed-loop uncertainty quantification
(5) Bio-inspired swarm collaboration and gaming
(6) Intelligent systems engineering

Submission

The papers should be prepared using the SCIS template, and should be submitted online through the manuscript submission system of the SCIENCE CHINA Information Sciences. The submission website is https://mc03.manuscriptcentral.com/scis. You should choose **Special Topic: Bio-Inspired Intelligence Systems**. Information and guidelines on preparation of manuscripts are available on the journal website: http://scis.scichina.com.

Important Dates

Submission deadline: **May 31, 2026**
First Round of Reviews: June 30, 2026
Final Acceptance: September 30, 2026
Publication: March 1, 2027

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