



an Open Access Journal by MDPI

Selected Papers from the 2023 3rd International Conference on Autonomous Unmanned Systems (3rd ICAUS 2023)

Message from the Guest Editors

Guest Editors:

Dear Colleagues,

Dr. Hongbin Deng

School of Mechatronical
Engineering, Beijing
Institute of Technology,
Beijing 10081, China
hbdengicaus@163.com

Prof. Dr. Jifeng Guo

School of Astronautics,
Harbin Institute of
Technology, Harbin 150001,
China
jifengguoicaus@163.com

Dr. Honghui Yang

School of Marine Science and
Technology, Northwestern
Polytechnical University,
Xi'an 710060, China
hhyangicaus@163.com

**Deadline for manuscript
submissions:**

15 November 2023



[mdpi.com/si/161891](https://www.mdpi.com/si/161891)

The 2023 3rd International Conference on Autonomous Unmanned Systems (3rd ICAUS 2023) will be held from 15 September to 17 September 2023 in Nanjing, China. The conference offers a unique and interesting platform for scientists, engineers and practitioners throughout the world to present and share their most recent research and innovative ideas in the areas of unmanned systems, robotics, automation, and intelligent systems. The aim of the ICAUS is to stimulate researchers active in the areas pertinent to intelligent unmanned systems. ICAUS will feature plenary lectures, contributed and invited sessions, panel discussions, pre-conference workshops, oral presentation sessions and interactive sessions.

The topics of interests include, but are not limited to, the following:

1. Unmanned Aircraft Systems;
2. Unmanned Ground Systems;
3. Unmanned Surface/Underwater Systems;
4. Space Unmanned Systems;
5. Autonomous and Cooperative Control Technology of Unmanned Systems;
6. Intelligent Environment Sensing Technology of Unmanned Systems;
7. Navigation and Positioning Technology of Unmanned Systems;
8. Communications and Networking Technology of Unmanned Systems;
9. Architecture, Energy and Power Technologies of Unmanned Systems;
10. Payload Technology of Unmanned Systems;
11. Task and Effectiveness Evaluation Techniques of Unmanned Systems;
12. Modeling and Simulation Technology of Unmanned Systems;
13. Intelligent Information Fusion and Processing of Unmanned Systems;
14. Multi-Agent Collaborative Theory and Technology;
15. Brain–Computer Fusion and Hybrid Intelligence Technology;
16. Artificial Intelligence Algorithm and Its Application in Unmanned Systems;
17. Bionic Technology and Its Application in Unmanned Systems;
18. Unmanned System Educational Platform, Mode and Practice;
19. Other Related Theories, Methods, Techniques for Unmanned Systems.

Website: <https://www.mdpi.com/si/161891>

Contact us: samantha.wang@mdpi.com; electronics@mdpi.com;