

CALL FOR PAPERS
SPECIAL SESSION ON
“Unmanned Surface Vehicle technique and Its applications”
ICIST2024
December 6-9, 2024 – Chengdu, Sichuan, China

Session Organizers:

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Session Description:

Recently, with the advanced achievement in perceptive, communication and control, unmanned surface vehicle (USV) have been widely applied to replace human to perform heavy and boring tasks. Due to the complex environment at sea, ship may encounter the dangerous situation that threat to the personal life. USV can reduce this threaten effectively by USV technologies.

USV technologies mainly include ship course control, route planning, traffic flow forecast, communication, navigation, and so on. Although a great achievement has been made recently, there are still some problems to be solved.

The aim of this invited session is to provide an opportunity for researchers and practitioners to exchange their latest theoretical and technological achievements in USV and its application. All the submissions are expected to have original ideas and novel contributions.

Topics and Technical Issues include (but not limited to)

- Automation control techniques of USV;
- Key technology of USV operation in complex waters;
- Path planning technique for USV;
- Formation control and collision avoidance of USVs
- Traffic flow analysis and forecast of USV;
- Tide prediction for USV;

SUBMISSION

Papers must be submitted electronically for peer review through online paper submission by **Aug 1, 2024:**

<https://openreview.net/group?id=IEEE.org/ICIST/2024/Conference#tab-your-consoles>.

All papers must be written in English and should describe original work. For guidelines, please follow the ICIST website link <https://conference.cs.cityu.edu.hk/icist/>.

Important Dates

Aug 1, 2024: deadline for paper submission

Sep 1, 2024: notification of paper acceptance

Oct 1, 2024: deadline for final camera-ready papers.