2023 ICIST Special Session on
Intelligent Control of Unmanned Systems

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About the Topic and Purpose of the Special Session:

Due to the rapid development of perception, communication, and computer technology, unmanned systems are becoming a strategic research direction in multiple fields. The individual dynamics of unmanned systems exhibit characteristics such as uncertainties, nonlinearities, strong coupling, multi-variables, strong disturbances, under-actuation, fast time-varying, and multiple constraints. Applying intelligent control technologies to ensure the stability, robustness, optimality, and safety has become a research focus and challenge in the field of unmanned systems. Nevertheless, there are many key issues that have not been well addressed. This session focuses on new advances in the fields of artificial intelligence, unmanned systems, autonomous control, intelligent control, applied mathematics, etc. Specifically, the special session calls for papers on the latest progress in the field of intelligent control of unmanned systems, providing important references for the future development of intelligent, autonomous, and safe unmanned systems.