

IEEE ICUS 2021

Invited Session Summary

Title of Session Key Technologies on Unmanned Surface System
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Details of Session(including aim and scope) unmanned surface system has the advantages of unattended, no casualties, flexible operation and low cost, which can breaks the physiological limits of human beings. It has a broad application prospect in both military and civil fields, such as ocean investigation, maritime surveillance, anti-mine, electronic warfare, submarine warfare and anti-ship warfare. The key technologies of surface unmanned system involve hull configuration, intelligent perception, autonomous control, distributed collaboration, deployment and recovery, etc., which are the common focus of academic and industrial circles. This invited session focuses on the latest research results for the key technologies of unmanned surface system. In particular, papers related to following topics are welcome: <ul style="list-style-type: none">• hull configuration• intelligent perception• autonomous control• distributed collaboration• deployment and recovery