

SPECIAL SECTION/ISSUE**Title*****Automation and Communication Systems for Autonomous Platforms*****Editors****Prof. Zygmunt Kitowski**

Polish Naval Academy, Poland

email: z.kitowski@amw.gdynia.pl

profile: <https://orcid.org/0000-0002-0923-4634>**Dr Paweł Piskur**

Polish Naval Academy, Poland

email: p.piskur@amw.gdynia.pl

profile: <https://orcid.org/0000-0002-8823-4316>**Dr Stanisław Hożyń**

Polish Naval Academy, Poland

email: s.hozyn@amw.gdynia.pl

profile: <https://orcid.org/0000-0003-1422-0330>**About**

In recent years, autonomous systems have been gaining popularity. Among them (air, land and underwater), the most challenging seem to be the underwater ones. There are significant problems with signal propagation in the aquatic environment. Radio waves are strongly damped by water, while mechanical waves change their properties depending on water temperature and salinity. Moreover, acoustic waves are reflected from the bottom and other objects submerged in water, which makes acoustic communication possible only to a very limited extent. This special publication is focused on recent advances in automation, control and communication problems, especially for autonomous vehicles. The topics should include the latest techniques, solutions, and their applications in a range of civilian and military fields.

Scope

Papers covering theoretical and practical applications related (but not limited) to the following topics are invited:

- automation and robotics
- autonomous systems
- autonomous vehicles
- mechatronic systems
- communication systems
- optimisation techniques
- renewable energy
- modeling and simulation of dynamic objects
- ship technology.

Important datesSubmission deadline: **30 October 2022**Notification of acceptance: **15 February 2023**Possible publication: **June 2023****Information for authors**

- The papers should meet high quality journal manuscript guidelines, in terms of research results, editorial quality, and language. Poorly written manuscripts will not be considered for review.
- The submission must be done online at www.amcs.uz.zgora.pl/?action=submission.
- **Important!** In your submission (paper file), please put as the first keyword capitalized and asterisked ***ASMOR***.
- The papers should be prepared with the journal LaTeX template, following strictly the guide for authors available at www.amcs.uz.zgora.pl/?action=guide.
- The submissions will undergo a review process, following the journal rules.
- The final decision will be made by the journal's Editor-in-Chief and Guest Editors.
- Please note that publication in AMCS is subject to page charges, invoiced upon paper acceptance. For details, please visit www.amcs.uz.zgora.pl/?action=guide.

Technical assistance

amcs@uz.zgora.pl