

CALL FOR PAPERS



Advancements in Buoy Technology to Support Ocean Observations, Maritime Safety, and Environmental Characterization

November/December 2022 issue

Advancements in Buoy Technology to Support Ocean Observations, Maritime Safety, and Environmental Characterization is a special issue of the MTS Journal dedicated to technology sharing and learning in the highly specialized field of buoy systems. The issue will showcase commentaries, scientific notes, and technical papers from buoy technology leaders from around the world, including topics presented at the MTS Buoy Workshop in September 2022.

The special issue of the *Marine Technology Society Journal* will cover the following subject areas:

- Modeling and simulation of moored buoy systems to determine static and dynamic forcing by sea state, ocean currents, and wind drag
- Mooring system developments and advancements
- State-of-the-art buoy technology, sensor, and instrumentation R&D for meteorological, oceanographic, and environmental data collection
- Buoy power systems, including self-powered systems
- Advancements in data logging, integration and management, analysis and processing, and communication systems, including the application of artificial intelligence and machine learning techniques
- Laboratory and at-sea testing of critical buoy components and systems
- Buoy deployments to support: ocean observing; forecasting of coastal hazards, such as hurricanes and tsunamis; wildlife monitoring, conservation, and protection; maritime navigation and safety; ocean resource characterization to support renewable energy development; ocean power generation; blue economy applications; etc.
- Buoy networks and their role in regional and global ocean observing, maritime safety, and environmental characterization

The *MTS Journal* is the flagship publication of the Marine Technology Society. It publishes the highest caliber, peer-reviewed papers on subjects of interest to the society: marine technology, ocean science, marine policy, and education.

Important Dates

- | | |
|----------------------|--------------------------------------|
| • June 20, 2022 | Manuscript deadline |
| • August 15, 2022 | Authors receive reviews |
| • September 12, 2022 | Authors submit revisions |
| • September 26, 2022 | Authors receive 2nd round of reviews |
| • October 3, 2022 | Authors submit final revisions |
| • October 17, 2022 | Authors receive proofs |
| • October 24, 2022 | Authors return final corrections |
| • November 14, 2022 | <i>MTSJ</i> available online |

Author Information

Information for submitting manuscripts can be found at: <https://www.mtsociety.org/mts-journal-submissions>. Authors who intend to submit a manuscript must complete an author information form (available on the website listed above) and return it to Amy Morgante (morganteditorial@gmail.com) as soon as possible. For comments, suggestions, or requests, please email the Guest Editor: Alicia Mahon (alicia.mahon@pnnl.gov) or *MTSJ* managing editor Amy Morgante (morganteditorial@gmail.com).