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EU COMARE Conferences: 17–19 May 2022

Saint Malo, France

Save a date to participate in the EUCOMARE-2022 conference.

The event provides an opportunity for scientists, engineers, and programme managers to learn about the trends, recent developments and achievements in the field of remote sensing applications on marine and coastal areas.

Publish your research

Prepare your paper in the field of remote sensing applied in marine and coastal monitoring and your research will be shared and published in special Springer Nature Edition. We invite authors to submit an abstract or a full paper, accepted abstract will be notified by November, 2021 for the first volume of Springer Edition, and by April 2022 for the second Volume, to send a final full paper.

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Conference presentation

Within the framework of the European Copernicus program, satellite data are effortlessly accessible to the scientific community, companies and public. At the same time, the massive opening of digital data in various forms (spatialized or not) and across different fields, opens new avenues of research and applications. To effectively benefit from the space missions the challenge lies in finding solutions for fundamental issues such as climate change, biodiversity resilience, environmental protection, sustainable exploitation of the resources, infrastructure planning, pollution control etc. Consequently, the space tools have become indispensable because it allows global, recurrent and long-term observation. Management of the marine and coastal zones requires a continuous monitoring, which is often a tedious task. Recent advances in terms of sensor's radiometric, spatial, temporal and spectral resolution, as well as new data processing approaches in remote sensing provides the most valuable set of tools for monitoring and mapping the various characteristics of marine, coastal and aquatic systems (Macroalgae, Seagrasses, Temperate Reefs, Coral Reefs, Salt Marshes, Mangroves, Peatlands, Aquatic Vegetation, River Systems, Estuaries, Deltas, etc.). Thematic information extracted from remote sensed data are often used to feed numerical climate change models, coupled ocean-atmosphere models, sea-landscapes simulation, etc. across various scales.

Hence, more cross-community interactions will create synergies between Marine and Coastal Sciences and remote sensing communities. This conference will highlight the contributions of remote sensing and its application for marine, coastal and aquatic zones monitoring. It aims to create an opportunity to disseminate knowledge of the issues related to the use of satellite products, new data processing methods and technologies, for marine, coastal and aquatic sciences.

We look forward to connecting with you and hearing your research in December.

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EU COMARE chairs



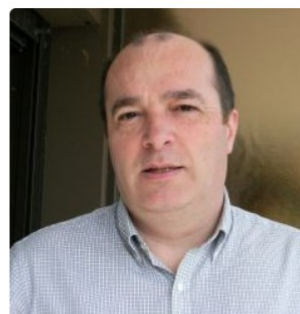
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Director IUEM



Dr. HDR Simona Niculescu

LETG-Brest UMR 6554, IUEM/UBO



Prof. Christian Brosseau

Vice-President Research and Innovation in charge of the Research Commission, UBO

Thematic

We invite you to send us your contributions, in particular, but not exclusively on:

- Coastal zone monitoring by remote sensing at high spatial and temporal resolution
- Coastal wetlands by remote sensing
- Vegetation mapping
- Synergistic use of remote sensing data sets
- Deep learning and artificial intelligence for remote sensing application
- Land Use / Land Cover – Sea Use / Sea Cover in coastal areas
- Vulnerable aquatic systems
- Coastal sedimentology and geomorphology
- Coastal waters quality
- Coastal urbanization trends
- Monitoring of socio-economic issues in coastal areas (touristic infrastructures, agriculture, etc.)
- Data processing and applications
- Image and signal processing
- Remote sensing and GIS applications
- Understanding the societal issues involved in the use of satellite data and new technologies
- Bathymetry study using optical, laser and acoustic systems
- The use of remote sensing data in European, global and regional platforms for the observation of seas, coasts and estuaries
- The use of satellite and airborne data in water quality assessments of oceans, coasts and coastal lagoons

Conference Sessions

S.1 Marine, Coastal and Aquatic ecosystems' monitoring and biodiversity management

S.2 Coastal Wetlands

S.3 Land Use / Land Cover – Sea Use / Sea Cover and planning

S.4 Deep Learning and artificial intelligence innovation

S.5 Marine, Coastal and Aquatic geomorphology and risk management

S.6 Pollution and Water quality

S.7 Poster sessions: Remote sensing through the sea-coast-land continuum

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Manuscript Submission

Please follow the templates and instructions to develop a successful abstract (2 pages maximum) or full paper (8 to 12 pages) for publication of EU COMARE conference Proceedings in a Special Springer Edition. If you submit an abstract, a full paper will be asked after acceptance notification.

How to submit a manuscript

Go to the conferences page (<https://www.chaire-europeenne-simona-niculescu.eu/fr/manifestations/conferences>) choose a session that most closely matches the topics of your work. Click "Submit via Google Form" and you'll be prompted to sign in to your account to complete the submission.

What you will need to submit

A completed electronic submission should include the following:

- Title
- Author(s) information
- Abstract for first review (see abstract template)
- Or Full paper for a final review (see full paper template)
- Keywords used in search for your paper

Please note that, there is a **registration** step which has to be done before 15 April 2022 on the conference page (Registration) where you can pay the conference fees.

The EUCOMARE conference fees include:

- Access to all events days.
- Lunch/lunches during the event days.
- Coffee/tea breaks during the event days.

Key dates

1st Springer volume :abstract submission deadline:
15 November 2021

2nd Springer volume: abstract submission deadline:
15 April 2022

Registration deadlines : 15 April 2022

Conference dates : 017 to 19 May 2022

Review process

- All submissions will be assessed by the Conference Scientific Committee,
- Final placement in an speaker (S1, S2, S3, S4, S5,S6) or poster session (S7) is subject to committee discretion

Publication of Proceedings

- Conference Committee may require manuscript revision before approving publication
- Only papers received according to publication guidelines and timelines will be published in the conference Proceedings.
- The conference proceeding will be published in Special Nature Springer Edition

Contact information

For questions about your manuscript, contact : **eucomare2021@gmail.com**

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