

# IMEKO TC-19 INTERNATIONAL WORKSHOP ON Metrology for the Sea

OCTOBER 3 - 5, 2019, GENOVA, ITALY



## CALL FOR PAPERS

For the Special Session on:

## METROLOGY IN MARINE GEOLOGY: APPLICATIONS IN SHALLOW AND DEEP WATERS

### ABSTRACT

Recent improvements in marine geological surveys are accounted for by the increasing use of up-to-date and reliable techniques and tools, allowing high accuracy and resolution of measurements.

The several applications in marine research, ranging from thematic cartography to environmental protection and risk reduction, as well as cultural heritage preservation, make extensive use of direct or remote surveys techniques.

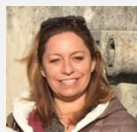
The most disparate technologies currently available often need for experimental field validation.

### TOPICS

The session aims to receive and discuss contributions in the following topics:

- Digital Terrain Models and seabed morphology;
- Backscatter surveys;
- Surveys and sampling from autonomous vehicles (AUV);
- Survey techniques and data processing for seismic stratigraphy;
- Measurements on bottom sediments (core logs);
- Ocean Bottom Seismic (OBS) applications for monitoring the active geodynamic processes;
- Lidar and laser scanner techniques for coastal and shallow water surveys, including drone surveys;
- Radar measurements and web-cam application for gauging coastal dynamics;
- Numerical and physical modeling describing or simulating the evolution of the seabed in shallow and deep waters.

### ORGANIZERS



**Francesca Budillon**  
ISMAR

✉ francesca.budillon@cnr.it



**Lorenzo Cappietti**  
University of Firenze, Italy

✉ lorenzo.cappietti@unifi.it



**Nicola Corradi**  
University of Genova, Italy

✉ corradi@dipteris.unige.it



**Maurizio Demarte**  
Italian Hydrographic Institute - Italian Navy

✉ maurizio.demarte@marina.difesa.it



**Maria Rosaria Senatore**  
University of Sannio, Italy

✉ senatore@unisannio.it

✉ info@metrosea.org

www.metrosea.org

