

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

OCTOBER 3 - 5, 2019, GENOVA, ITALY



## CALL FOR PAPERS

*For the Special Session on:*

## INTERDISCIPLINARY CROSSOVER FOR MARINE MAMMALS AND SEA-TURTLES CONSERVATION

### ABSTRACT

Safety of sea navigation and sea coastal activities, depends strictly on accuracy and reliability of information about sea conditions and vehicles positions, and on how this information is managed.

Measurement results obtained from satellite systems, offshore surface and underwater devices, are the main input, while the management system has to take decisions based on previous experience and forecasts. This special session is focused on recent and innovative solutions in this area that could improve the safety of human life and infrastructures on and near the sea.

The session will present recent developments in measurement systems and techniques to deliver more accurate information about the surveyed environment.

### ORGANIZERS



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### ABOUT THE ORGANIZER

**Salvatore Gaglione** is Associate Professor at the Science and Technology Department of the University of Naples "Parthenope" and scientific director of the Parthenope Navigation Group (PANG) Laboratory. On 2010 he was Visiting Academic at "Department of Geomatics Engineering" at the University of Calgary. In the last Academic year, He gives lecture in field of: Inertial and Integrated Navigation, Radio Navigation and Air Navigation. His research activities are focused on GNSS positioning and data fusion with other sensors (INS, Camera etc.) for several applications (vehicular, pedestrian, maritime, air).

Professor Gaglione is member and delegate for Europe of the "Istituto Italiano di Navigazione" (IIN), a scientific non-profit organization that promotes navigation culture. He is the author of 60 publications on journals and international conferences.

**Vincenzo Piscopo** is Assistant Professor (RTDb) at the Science and Technology Department of the University of Naples "Parthenope". From January 2016 to December 2017, he worked as junior researcher (RTDa) at the same University, where he also was postdoctoral researcher from October 2012 to April 2015. At the end of December 2009, he obtained the Ph.D. in Aerospace, Naval and Quality Engineering at the University of Naples "Federico II", where he earned cum laude the Master and Bachelor Degrees in Naval Engineering in July 2006 and July 2004, respectively.

His research activity involves ships and marine structures, with particular reference to non-uniform torsion, buckling and ultimate strength analysis of platings affected by pitting corrosion wastage, mooring design and optimization, dynamics of offshore structures and design of wave energy converters.

He is the author of 50 publications on journals and international conferences.

**Francesco Crenna** is Associate Professor at the University of Genova, Polytechnic School, Department of Mechanical Engineering- DIME. He is a member of IMEKO, International Measurement Confederation, technical committee TC7-Measurement Science, and TC18-Measurement of Human Functions.

His research activities are developed in the Measurement Laboratory of which he is responsible. Main interests are vibro-acoustic measurements and signal processing by time-frequency and timescale analysis aimed at monitoring and maintenance. Measurement uncertainty evaluation by probabilistic methods, with applications to measurement based decisions. Measurement of perceived quantities such as vibrations and sound. Inertial and video measurements and modelling applied to biomechanics.

He is the author of more than 100 publications on journals and international conferences.



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