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Marine Science and Engineering

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Application of Coastal/Ocean Sensors and Systems

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Deadline for manuscript submissions:
closed (15 December 2022)

Message from the Guest Editors

Addressing recent needs for extended spatial and temporal in situ ocean data, new research is implemented worldwide to develop and apply cost-effective subsea in situ sensors suitable for large scale production and capable of integration in existing and forthcoming monitoring/observation systems with regard either to coastal ecosystems and/or deep sea environments. New generation in situ sensors monitoring bio-physicochemical magnitudes, and more specifically EOVs, are of high interest in supporting scientific disciplines related to ocean health, ocean safety, and ocean resources. New technological advancements have resulted in key operational advantages with respect to autonomy, minimization of dimensions, low-power consumption, robustness, stability, and prolonged operation periods. Data pre-processing, standardisation, interoperability, and transmission are also strong advantages for the new generation subsea sensors and systems allowing integration capability of sensors on multiple measuring platforms (stationary/fixed, underwater mobile vehicles, ships of opportunity) in ocean observation data networks.

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Message from the Editor-in-Chief

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