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Recent Trends and Advances in Underwater Sensor Networks

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

Nearly 71 percent of the Earth's surface is covered by water, mainly oceans (above 95 percent). However, the vast majority of this area is still unexplored. Underwater sensor networks (UWSNs) have recently attracted attention for the support of aquatic applications such as exploration for ocean resources, navigation surveillance, pollution monitoring, disaster prevention, intrusion detection, and military applications. UWSNs have rapidly grown over the last decade and are forecasted for even further growth over the coming years as there still exist many issues that are yet to be addressed.

In this Special Issue, we aim at dealing with all aspects of UWSNs at various layers, including, but not limited to, the following areas:

- Autonomous underwater vehicles for mobile networks:
- Underwater acoustic communications;
- Underwater applications and experiments;
- Hardware for aquatic sensors and systems.
- Aquatic networked mobile systems;
- Performance modelling and analysis;
- New protocols and architectures;
- Topology control and routing;
- Data gathering using AUVs;
- Node deployment algorithms;
- Localization and tracking;













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Message from the Editor-in-Chief

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