

# THE 5<sup>TH</sup> INTERNATIONAL CONFERENCE ON ENTERPRISE SYSTEMS ES2017

22-24 SEPTEMBER 2017, BEIJING, CHINA

Special Session on

“Big Data and IIoT for the Ocean”

## Call for Papers

Big Data Analytics and Internet of Things (IoT) complement each other and develop as a double “helix”. Industrial IoT (IIoT) emerges quickly and focuses more in safety-critical applications in industries. Safety and security are the first-class citizens in the design, an approach (completely) different from that of a domestic BD and IoT application.

BDA and IIoT could greatly help us observe the oceans and the human activities, so as to plan and manage the development in the ocean in a sustainable manner. However, the oceans present many unique challenges. For example, exploration and development in deep/ultra-deep fields or in arctic climate involve long-distance transportation (manpower, equipment, and etc.) and short time-windows for operations. Recently, the industries and academia are quickly exploring and adopting BDA and IIoT for the ocean.

This special issue aims to foster the dissemination of high quality research related to the state-of-the-art BD and IIoT technologies applied to different ocean-related studies.

Topics of interest include, but are not limited to:

- Temporal-Spatial series data analytics for demanding marine operations
- Marine traffic analysis
- BDA and IIoT for oceanography and meteorology
- Data collection and analysis for marine environment and pollution
- Remote sensing technologies for the oceans
- Intelligent/autonomous ships
- Fisheries and aquaculture
- Underwater communications
- Data collection with underwater vehicles
- Oceanic business data analysis

### Submission

When you submit your paper, please select this section in the submission system.

### Principal Organizer:

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### Organizers:

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### Important Dates:

Submission deadline: May 31, 2017 (passed)

Notification of acceptance: July 7, 2017

Final manuscript due: July 31, 2017

Registration due: Aug 22, 2017

Note: the special sessions apply the same deadlines and submission instructions, please check the updated deadline at <http://www.ie.tsinghua.edu.cn/es2017> .