Special Session on

Electric marine shipping solutions towards a zero-emissions future

**Special Session Organizer/s**
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**Abstract**
Due to climate change and the attention of international regulations relevant to this issue, the shipbuilding industry is moving towards more environmentally friendly propulsion and energy systems. For this reason, an increasing number of electric-powered ships over the next few years is expected, although experts predict that significant efforts are still needed before having fully electric oceangoing vessel in operations. The transition from internal combustion engine to zero-emission drive involves various technologies and their smart integration: in this perspective, as it already happens for other vehicles, hybrid systems can represent an interim solution while it is not yet possible to adopt a fully electric propulsion plant. In this framework, the proposed special session deals with the most innovative solutions and equipment towards the all-electric ship.

**Special session topics**
- Fully electric vessels
- Hybrid marine propulsion
- Marine fuel cells technologies
- Energy storage systems onboard
- Charging equipment in port

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All the instructions for paper submission are included in the conference website: [http://www.speedam.org/?page_id=957](http://www.speedam.org/?page_id=957)