



The Royal Institution of Naval Architects Presents:

SHIPBUILDING ICCAS ROTTERDAM | 2019

International Conference on Computer Applications in Shipbuilding

24 - 26th September 2019, Rotterdam



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19th INTERNATIONAL CONFERENCE ON COMPUTER APPLICATIONS IN SHIPBUILDING - ICCAS 2019

**Improved Design, Cost
and Productivity**

SHIPBUILDERS continually seek improvements in the design of ships to satisfy the progressively stringent requirements demands of the ship-owners, whilst increasing productivity and cost efficiency.

**Consolidation
Data Utilisation
Innovation**

SHIPYARDS maximize application and use of computing technologies by consolidating current systems, understanding future developments and fully utilizing the data and information they create, producing innovative solutions in design, build and in-service operation of the ship.

**Cost Efficiency
Operation Performance**

SHIP-OWNERS seek cost efficient operation of ships under increasing competition and escalating international rules and regulations on minimizing environmental impact. Computing technologies enable instrument and control information to be collected and used to digitally manage the operational performance of the ship.

Relevant Topics:

ICCAS encourages papers on all applications of computing and information technologies for use within the Shipbuilding, Marine, and Ship Operation related industries.

The primary topics for ICCAS conferences are typically:

- Evaluation, selection and implementation of a new system.
- Enhancement and/or improved use of existing computing and IT systems.
- Efficient use of data and information captured in Computing Systems.
- Research and development of a future applications of Computing Technologies for the industry.
- Vendor development of system capabilities and/or functionality.
- A vision of the future potential use of Computing Technologies within the industry.
- Using Computing Technologies in a collaborative or multi-site environment.
- Procedures and practices implemented to maximise use and benefits of Computing Technologies.
- Improvements in productivity and/or performance due to the use of Computing Technologies.
- Success in applying advanced technologies (such as simulation, AR/VR, Engineering Analysis, Digital Manufacturing, Big Data, Digital Twin, Knowledge Systems, etc).
- Improvements in manufacturing quality/accuracy/productivity due to computing methodologies.
- Topics not listed above that are relevant to the industry, which are also acceptable.

ICCAS attracts topics from any stage of a ship lifecycle, from concept and early design, through detail design, planning and project management, manufacturing, production and assembly, build, and in-service operation.

Topics such as a supplier using computing technology to enhance equipment performance, a classification society that uses computing technologies to improve the quality and format of data for approval assessment, or a ship operator using computing technologies to optimise performance, are very welcome.

ICCAS particularly welcomes papers discussing the practical application of the topic in production, or proven during field trials. An overview of ICCAS can be found on www.iccas-ships-conferences.org

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www.rina.org.uk/ICCAS_2019