



The Royal Institution of Naval Architects Presents:

SHIPBUILDING ICCAS SINGAPORE | 2017

International Conference
on Computer Applications
in Shipbuilding

26 - 29th September 2017, Singapore

CALL FOR PAPERS

Advances in Computing Technology have a fundamental impact on shipyard performance.

Shipbuilders are constantly seeking improved methodologies, processes and productivity to remain competitive. A major contribution to achieving these aims is the successful implementation of stable and proven computing systems applied to all aspects of the shipbuilding process.

ICCAS is renowned for high quality papers and extensive international participation e.g. 81 papers from 19 countries for ICCAS 2015. It offers a unique opportunity for shipbuilders, marine related companies, and research organisations to present papers on their accomplishment in the use of rapidly changing computing technologies to a global audience.

Offshore industries work closely with shipbuilders on floating platforms, and specialist vessels for operations and support. Presentation of papers on the use of computing technologies, such as collaborative working, data sharing, and managing the rigorous standards, regulations and quality applied to specialist offshore vessels, will emphasize the diverse requirements of a progressively developing offshore energy market. This is highly applicable for worldwide shipbuilding delegates.

Successful papers will focus on:

Advances made in use of information and computing technologies to address:

- Methods, tools, standards, processes and organisational adaptations in all functional departments/sectors of the shipbuilding industry.
- Implementation, research, development and application of information technology in shipbuilding
- Improvements in productivity, schedule, cost, quality, performance, and operability.

Papers discussing the practical use of computing technology from the following categories will be highly favoured.

IT in Design

Early/Functional/Detail
Analysis/Calculations
Simulation
Integration
Modelling Methodologies
Arrangement Layout
Design approval/Sign off
Output for Production
Cost & work Estimation
Classification e-approval

IT in Manufacturing

Planning
Part Manufacture/Assembly
Accuracy/Distortion control
Steel cutting/Forming
Robotics/Automation
Lifting/Moving/Turning
Prefabrication/Outfitting
Test and Commissioning
Digital Manufacturing

Information Technology

CAD/CAM/Digital Mock-up
Modelling Methodologies
VR & Visualisation
Augmented Reality
Systems Integration
Data Exchange
Co-operative Working
Database Technologies
Document Management
Version/Release control

Other use of IT

Information Sharing
Materials Management
Procurement
Project Control
Improvement of Processes
Skill/Knowledge Retention
Knowledge Based Systems
Industry/Academia
Vendor Developments
Mobile Technologies

IT for Offshore

Tools and methods used for design, build and operation of specialist support ships and floating platforms

Please submit your 250 word abstract before 5th February 2017

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