

inec

14th International Naval Engineering Conference and Exhibition



2018



IMarEST LEARNED SOCIETY EVENTS

Conference Call for Papers



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Photo: US Navy

Inspiring Naval Engineering

Tuesday 2 – Thursday 4 October 2018

Technology & Innovation Centre, Glasgow, UK

INEC at a glance

- NEW for 2018 - the relaunch of the International Ship Control Systems Symposium (iSCSS)
- Over 300 expert participants
- Over 75 peer-reviewed technical papers with the option to attend sessions at iSCSS
- All technical papers assigned a DOI (Digital Object Identifier) reference
- The Sir Donald Gosling Award which will encompass iSCSS in 2018
- Continuing Professional Development approved by IMarEST
- 15 plus focussed exhibition stands which will include the iSCSS exhibition
- International attendance from over 20 countries attending both events
- Excellent networking opportunities and social programme combined with iSCSS
- Industrial visits

The Aim

The international scale of naval programmes remains buoyant and diverse. Existing, upcoming and future naval projects face the challenges of evolving threats, growing environmental concerns, availability of skilled personnel, not to mention fiscal constraints and game changing technologies. This requires a unique set of engineering skills; an openness to learn from other sectors and the inspiration to innovate, solve problems and maintain the technological edge; INEC 2018 will attempt to address all of these issues.

As INEC continues to evolve and reflect the international scale of naval programmes, I am delighted to announce that the technical programme will encompass the **International Ship Control Systems Symposium (iSCSS)**. The theme for iSCSS is *Revolutionary Technology Inspiring Ship Control* establishing this forum once again after an absence of nine years, not only for the naval engineering sector, but for the marine industry worldwide.

The aim of both events is to stimulate researchers, engineers, seafarers and students to present their perspectives on inspiring innovation across the naval and wider maritime domain as well as those sectors which could influence future advances and benefit the maritime industry.

“... far reaching and world leading technical papers that generate intense discussion and academic challenge.”

Capt Matt Bolton RN
BEng(Hons) MSc CEng
FIMarEST FIMechE



Visit INEC's website for full details including iSCSS: www.inec.org.uk

Conference themes

INSPIRING

- New and disruptive technologies
- Maintenance-free ships
- Predictive maintenance
- Energy transition, energy storage and recovery
- Knowledge transfer: oil and gas, cruise
- Future weapons and novel materials
- Innovation and bio technology
- Computation and data analytics

NAVAL

- Current and future operations, incorporating special forces
- Economics and global trends
- Damage control, signature control and survivability
- IMO/environmental compliance
- Design, build, maintenance and repair
- Shallow water and arctic/polar operations

ENGINEERING

- Legislation, regulation and standards
- De-risking, tests and trials, commissioning
- Off-board systems, launch and recovery
- Ship and submarine design, modularity and mission bays
- Propulsion and auxiliary equipment, systems and architectures
- Weapon, sensor and aviation systems and integration
- Modelling and simulation

CONTROL

- Autonomous vehicles and systems
- Cyber security
- Robotics, artificial intelligence, autonomy
- Human factors
- Control and optimisation of power generation, propulsion and auxiliaries
- Real time control algorithms, information and knowledge management



Submit your synopsis online:
www.inec.org.uk

Sponsorship and Exhibition

INEC 2018 and iSCSS will provide the ideal platform to promote your company and reach potential customers directly – both face to face with attendees and to the wider audience who visit the website and see the promotional material. Visit www.inec.org.uk/sponsors to find full details of both the exhibition and sponsorship opportunities.

Images and videos from past INEC conferences can also be viewed via the website at www.inec.org.uk/gallery



Submission process

The Technical Advisory Committee welcomes synopses from all areas of the industry. Papers will be reviewed and selected on the basis of technical quality, relevance and their potential for generating discussion. Papers will be presented either by poster or lecture in English. Prospective authors are invited to submit titles of papers, keywords and synopses of between 250 and 500 words (TEXT ONLY – please do not submit pictures, figures, graphs, equations etc) to the INEC 2018 Technical Advisory Committee online.

Selected authors will be invited to submit final papers of up to 4000 words by Friday 18 May 2018. Please note that all papers are peer reviewed and certain papers may be included in other IMarEST publications after the event subject to Author(s) permission.

Key Dates

Close of Call for Papers

Monday 22 January 2018

Notification to successful authors

February 2018

Receipt of full technical papers

Friday 18 May 2018

Who will attend?

Navies, commercial and military ship operators, designers and shipbuilders, classification societies, machinery and equipment manufacturers, universities and other defence related organisations.

Sir Donald Gosling Award

The INEC 2018 Technical Advisory Committee is delighted to announce once again the Sir Donald Gosling

Award, with an extended remit to include the International Ship Control Systems Symposium (iSCSS) in 2018. The award consists of three prizes (first prize £5,000; second prize £2,500; third prize £1,500). Financial awards will be shared equally between named joint authors and a certificate will be awarded to each individual author. All named joint authors must be 35 years of age or under at the time of the conference. In the first instance, authors are asked to submit a synopsis via the Call for Papers process. All authors must provide proof of their date of birth, such as a copy of their passport, at the time of synopsis submission. Selected authors will be invited to submit technical papers as outlined; eligible winners must present their paper at the conference, where the award ceremony will take place. The Sir Donald Gosling Award is subject to terms and conditions – visit www.inec.org.uk/sir-donald-gosling-award.



INEC 2018 is organised by FIGS Events Limited on behalf of IMarEST

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For further information visit www.inec.org.uk

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