



Surfing the Digital Revolution

Tuesday 6 – Thursday 8 October 2020

AULA Conference Centre, TU Delft, Netherlands

iSCSS 2020 at a glance

- Hosted alongside the 15th International Naval Engineering Conference & Exhibition
- International attendance from over 20 countries
- Over 300 expert participants
- This conference is CPD-approved by the IMarEST
- 3-day exhibition at the heart of the conference
- Sir Donald Gosling Award
- Excellent networking opportunities and social programme



Follow us on @imarest
and tweet us with #ISCSS



Join the debate on the
IMarEST LinkedIn group

After the successful international Ship Control Systems Symposium (iSCSS) 2018, we are very proud to launch the call for papers for iSCSS 2020. This time, we aim to surf the digital transformation and continue the collaboration between shipbuilding industry, the wider commercial sector, academia and research institutes. Moreover, we strive to progress the crossover between the naval sector and the whole maritime sector.

The development of disruptive technologies in society continues to accelerate. This provides opportunities for the maritime sector to address its three main challenges: the **energy** transition, the transition to **autonomy** for systems and ships, and maintaining **safety and security** during these transitions. Only if we address all three aspects, we can make the most out of the opportunities from disruptive technologies such as artificial intelligence, robotics, big data analysis, novel materials and alternative energy sources.

We believe the continued collaboration with INEC provides a unique forum for decision makers, seafarers, engineers, researchers and anyone involved in ship control. We will debate how we can better design and integrate on-board-systems and optimally control these systems to achieve a sustainable maritime future. Therefore, we are very excited to work with Delft University of Technology to inspire the new generation for a maritime career and to continue the Sir Donald Gosling awards for young professionals!

A unique opportunity to bridge the gap between decision makers, industry, and researchers and to launch disruptive ideas for ship control

Cdr (E) dr. ir. Rinze Geertsma CEng MIMarEST



Autonomy

- Autonomous systems
- Path planning
- Crew optimisation
- Artificial intelligence
- Predictive maintenance
- Big data analysis
- Shore support centres
- Dev Ops
- Data driven Modelling and simulation

Energy

- Control of power systems
- Hybrid power systems
- Real time optimisation
- Energy storage
- Energy management
- Pulsed power weapons
- Fuel cells
- Alternative fuels
- Marine electrification

- Human factors
- Cyber security
- Ships connectivity
- Cloud based services
- Safety of electronic systems
- Safety criticality functions
- Safety regulations
- Environmental compliance

Safety & Security

KEY DATES

Close of Call for Papers
Monday 17 February 2020

Notification to successful authors
Friday 6 March 2020

Receipt of full technical papers
Monday 18 May 2020

Call for Papers

The Technical Advisory Committee welcomes synopses from all areas of industry, academia and government. Papers will be reviewed based on technical quality, relevance and their potential for generating interest and discussion. All presentations will be in English. Prospective authors are invited to submit titles, keywords and synopses of between 250 and 500 words (TEXT ONLY – please do not submit pictures, figures, graphs, equations etc.).

Successful authors will be asked to develop their abstract and submit a full technical paper of up to 4000 words by Mon 18 May 2020. Please note that all papers will be peer reviewed and some may be included in IMarEST publications after the conference, subject to the author(s)' permission.

Who will attend?

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

Sponsorship and Exhibition

With around 350 international attendees from a broad sweep of the naval enterprise, INEC and iSCSS provide a compelling platform to promote your company and products. The exhibition is at the heart of the conference gatherings throughout the 3 days and there is plenty of opportunity to network with potential business contacts. The conference also attracts a wider audience through the website, promotional material and on-line content posted during the event.

Sir Donald Gosling Award

The INEC/iSCSS 2020 Technical Advisory Committee is delighted to announce the continuation of the Sir Donald Gosling Award for authors under the age of 35 at the time of the conference. All named authors on the paper must be under 35 to qualify. To enter, authors must submit proof of date of birth, such as a passport copy, when submitting their synopsis. First prize is worth £5,000, second prize, £2,500, third prize £1,500. Awards will be shared between named joint authors and all will receive a certificate.

**Submit your
synopsis now:**

www.imarest.org/iscss