

Marine Design

2-3 September 2015, London, UK



Call for Papers

Marine Design 2015 will return to provide a forum for reporting and discussing Marine Design practice and technical innovation, including Human Systems Integration. Marine Design is an holistic design process with a strong focus on the end users as well as stakeholders in the design process, based on the principles of Industrial Design. Effective Marine Design requires a multidisciplinary design team of Naval Architects, Industrial Designers, Human Factors specialists, Environmental Psychologists and Interior Designers. The start of the Marine Design process involves understanding the personas and needs of the end user. The aim of Marine Design is to improve the aesthetics, human factors and functionality of a vessel or system, and its' marketability. Human Systems Integration provides a through-life, integrative framework with the potential both to enhance safety and increase performance while reducing through life costs.

Although the conference will have a focus on the superyacht, cruise and offshore sectors, it is recognized that cross-sectorial innovation is critical to the development of the Design-Driven Innovation process. Therefore the conference will explore innovative approaches from across all marine design sectors including the dialectic between luxury design in the superyacht and cruise sectors, and the utilitarian design approach of the offshore sector, while reflecting upon the needs of the end user. This will include themes around the concept of sustainable luxury, and the Transfer of Innovation (TOI) from the superyacht sector to the mainstream to support the expanding needs of the offshore wind farm industry to recruit and retain technicians who are more used to land based operations. This approach represents an opportunity for Marine Design to enhance the design meaning, user experience and provide innovative solutions, resulting in competitive advantage through product differentiation. The event is supported by the European Boat Design Innovation Group (EBDIG), through the EBDIG-WFSV project.

The key papers of the conference will be published in a special edition of the International Journal of Marine Design (IJMD), Part C of the Transactions of The Royal Institution of Naval Architects. The conference will present technical papers on a number of aspects of Marine Design, including:

- **Design Visualisation** (including design methodologies, design practice, innovative concepts, design analysis tools, Computer Aided Design), TOI (Transfer of Innovation) from other industry sectors).
- **Human System Integration** (including HFE (Human Factors Engineering), Maritime Security, UCD (User Centred Design) methodologies, Emotional Design methodologies, Empathic Design methodologies, 'Aging in Place', TOI (Transfer of Innovation) from other industry sectors).
- **Sustainability in construction** (including one-off construction and series production issues, facility design, materials, joining technologies, reconstructions and rebuilds of historic craft, results of simulation).
- **Sustainability in operation** (including, equipment, results of sea trials, results of instrumentation, results of simulation, TOI (Transfer of Innovation) from other industry sectors).
- **Implementation of regulations in the design process** (including international, national, and regional regulatory frameworks, classification, codes of practice, rating rules).
- **Virtual work/learning environments** (including, CPD for marine designers, networking opportunities for innovation and exchange, virtual work environments to facilitate multi-disciplinary, multinational teams).

www.rina.org.uk/Marine_Design_2015

- ☐ I would like to offer a paper and attach a synopsis of no more than 250 words

Please submit your abstract before 7th June 2015

- ☐ I wish to receive details on exhibition space and sponsorship opportunities
- ☐ I would like to receive a full programme brochure and registration form

Name:	Position:
Company:	
Address:	
	Postcode:
Telephone:	Fax:
Email:	

Please return to: Conference Department, RINA, 8-9 Northumberland Street, London, WC2N 5DA
by fax on +44 (0)20 7259 5912 or by email: conference@rina.org.uk