



The Royal Institution of Naval Architects
**Propellers & Impellers: Research, Design,
 Construction and Application**

27 - 28 March 2019, London, UK

Supported by:



Wednesday 27 th March	
08.55-09.25	Coffee and Registration
09.20-09.25	Welcome Address, Karl Monk, the Royal Institution of Naval Architects, UK
09.25-09.30	NUMECA presentation
09.30-10.05	KEYNOTE
10.05-10.40	Usage of Digital Tools for Optimum Propeller Designs Norbert Bulten, Wärtsilä Marine Solutions, Netherlands
10.40-11.15	Coffee
11.15-11.50	Full Scale Analysis of Propeller Noise & Vibration with OpenFOAM Endicott M. Fay, Cotty Fay Marine Design, UK
11.50-12.25	Numerical Study of Modification of Propeller Tip on Underwater Radiated Noise Joe Danio, Indian Institute of Technology Madras, India
12.25-13.25	Lunch
13.25-14.00	Numerical Estimation about Performance of CPP and Podded Propulsor on many Off-Design Conditions using RANS Approach Kohei Himei, Nakashima Propeller Co. Ltd, Japan
14.00-14.35	RIM Driven Propellers: Optimization Based Design Approach Using RANS Calculations Stefano Gaggero, University of Genoa, Italy
14.35-15.10	Coffee
15.10-15.45	Numerical Study of Biomimetics Application to Ship Design Subodh Chander, Allswater Marine, Canada
15.45-16.20	Evaluation of Hydrodynamic Performance of Contra-Rotating Propellers (CRP) using OpenFOAM Hrvoje Jasak, Wikki Ltd, UK Luka Balatinec, University of Zagreb, Croatia
16.20-	General Discussion & Drinks Reception



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09.25-10.00	Propellers Geometry Modeling Through B-Splines Surfaces <i>Rodrigo Perez, Francisco Perez-Arribas, Marine Engineering School of the Technical University of Madrid, Spain</i>
10.00-10.35	Full Scale Performance of Gate Rudder <i>Noriyuki Sasaki, University of Strathclyde, UK</i> <i>S. Kuribayashi, Kuribayashi Steam Co., Japan</i>
10.35-11.10	Coffee
11.10-11.45	The Importance of a Non-Deterministic Design Optimization for Predicting Real-Life Propeller Performances <i>Kevin Vidal, Benoit Mallol, Charles Hirsh, NUMECA International S.A., Belgium</i> <i>Leo Poppelier, SipMarine, Netherlands</i>
11.45-12.20	3D Printing for Marine Propellers <i>Michael Fletcher, Huntingdon Fusion Techniques , UK</i>
12. 20-	General Discussion & Lunch