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Dr.-Ing. Kourosh Koushan (Norway)  
Prof. Sverre Steen (Norway)

### **smp International Scientific Committee:**

Prof. Moustafa Abdel-Maksoud (Germany)  
Prof. Poul Andersen (Denmark)  
Prof. Jun Ando (Japan)  
Prof. Mehmet Atlar (UK)  
Prof. Rickard Bensow (Sweden)  
Prof. Neil Bose (Australia)  
Dr. Stefano Brizzolara (USA)  
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Dr. Antonio Sánchez-Caja (Finland)  
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Prof. Tom van Terwisga (The Netherlands)  
Prof. Brian Veitch (Canada)  
Prof. Chen-Jun Yang (China)  
Prof. Yin Lu Young (USA)  
**Local organizing committee:**  
Dr. Antonio Sánchez-Caja (Finland)  
Tuomas Sipilä (Finland),  
Jussi Martio (Finland)



(Source: Finlandia Hall, Photo: Eero Venhola)

### **Important Dates:**

- Abstract submission: Oct. 15<sup>th</sup>, 2016
- Acceptance of abstracts: Nov. 15<sup>th</sup>, 2016
- Delivery of final paper: Feb. 3<sup>rd</sup>, 2017
- Acceptance of final paper: Mar. 17<sup>th</sup>, 2017
- Early registration, authors registration and hotel reservation: 31<sup>st</sup> March 2017

### **Registration fee:**

Authors: 650 Euro  
Early/late registration: 750/850 Euro  
Affiliated early/late: 650/750 Euro  
Students: 300 Euro  
Please refer to web page for details.



**Call for Papers  
&  
Second  
Announcement**

## **Fifth International Symposium on Marine Propulsors**

**12<sup>nd</sup>-15<sup>th</sup> June 2017**

**Helsinki—Finland**

Organised by:

*VTT — Technical Research  
Centre of Finland*

In cooperation with:

*MARINTEK*

*NTNU (Norwegian University  
of Science and Technology)*

**[www.marinepropulsors.com](http://www.marinepropulsors.com)**

## **Fifth International Symposium on Marine Propulsors – smp'17**

smp'17 is the fifth in a series of international symposiums dedicated to hydrodynamics of all types of marine propulsors. Previous smp were held in Trondheim, Norway (2009), in Hamburg, Germany (2011), and in Launceston, Tasmania, Australia (2013) and Austin, Texas, USA (2015). smp'17 provides a forum to present state-of-the-art research and studies on existing marine propulsors as well as a platform for introduction of new types of propulsors. Special attention is given to high efficiency propulsion devices. Environmental issues are addressed by introducing topics on green propulsion.

### **Call for Papers:**

Prospective authors are invited to send an abstract to the symposium secretariat. The contributions must be original and should not have been published previously. Authors of accepted abstracts will be asked to provide a full paper. After review of the full papers, accepted contributions will be presented during the symposium and will be published in the proceedings.

### **Venue:**

Helsinki is Finland's major political, educational, financial, cultural and research centre as well as one of northern Europe's major cities. Helsinki has a population of 0.6 million, and a metropolitan population of 1.4 million. It was chosen as the World Design Capital for 2012.

The smp'17 will be held during the month of June in Otaniemi where the main quarters of VTT and the campus of Aalto university are located. The campus is home to four schools of technology and some departments of the School of Arts, Design and Architecture. It was designed by the famous architect Alvar Aalto. During the conference, the daylight hours will be averaging 19 out of 24 with nights exhibiting horizons with a surreal half-light.

*(Photo: Niklas Sjöblom/Visit Helsinki)*



### **Symposium Topics:**

- Open or ducted propellers
- Podded propellers and thrusters
- Water-jets
- Unconventional propulsors (Flapping foils, CRP, Surface piercing propellers, rim drives, tip loaded...)
- Propeller/hull/rudder interaction
- Cavitation modeling
- Noise, vibration
- Propeller and rudder erosion
- Green propulsion
- Numerical methods in propulsion (VLM, BEM, RANS, Hybrid, LES, DES, DNS)
- Dynamic positioning
- Propulsor dynamics
- Propulsor-ice interaction
- Propulsion in seaways
- Energy Saving Devices (ESD)
- Experimental techniques
- Full-scale measurements
- Ocean current or tidal turbines
- Off-design and crash-back conditions

### **Contact:**

Email: [smp17@vtt.fi](mailto:smp17@vtt.fi)

websites: [marinepropulsors.com](http://marinepropulsors.com)

<http://www.vtt.fi/sites/smp17>

*(All abstracts, papers and presentations shall be in English)*