

**TUESDAY 2
JUNE**

INNOV SAIL

7th edition

International Conference on Innovation
in High Performance Sailing Yachts
and Wind Assisted Ships.

3-4-5 June 2026

Göteborg • SWEDEN

innovsail.com



16:00 - 19:00

Journal of Sailing Technology
10 year anniversary , Sponsored by SNAME and
supported by Farr Yacht Design

Ice-breaker event at RISE Maritime facilities, with
mingle and facilities tour

AWARDS FROM JST



WEDNESDAY 3
JUNE

INNOV SAIL









7th edition

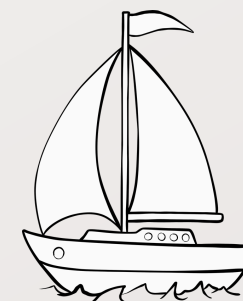
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	8:30 - 8:45	Opening Welcome	
	8:45 - 9:30	Keynote Lars Larsson : Can Computers be used in Yacht Design?	
	9:30 - 10:50	Session 1 : WAP Modelling & Uncertainty	Assessing the impact of modelling fidelity and degrees of freedom for performance prediction of wind-assisted ships / Alcock Wind-Assisted Ship: A Simplified Model to Identify Factors of Performance / Jacquet Calculation of Force-Coefficients of a Wind Propulsion System from Measured Values of Single Sails / Behrens Sequential Design Space Exploration of a Wind-Assisted Ammonia Tanker Hull Using the VPP Derivative Method / Schmitz
	10:50 - 11:10	Coffee Break	
	11:10 - 12:30	Session 2 : Aerodynamics	Aerodynamic Hull-Sail Interaction for a Six-Wingsail PCTC: A Comparison of Wind-Tunnel Experiments, URANS Simulations and a Nonlinear Lifting- Line Method / Malmek Towards Optimal Positioning of Wind-Assisted Ship Propulsion Systems: Aerodynamic Characterization of a Simplified Ship / Fischer Parametric Study on the Influence of Ship Hull Porportions on the Inflow to Wind-Assisted Propulsion Systems / Renzsch Three-dimensional numerical analysis of active flow control for rigid wingsails under co-flow jet / Zhu
	12:30 - 12:50	Chalmers Formula Sailing Team	
	13:00 - 14:15	Lunch	
	14:15 - 15:00	Keynote Berenice Charrez : Offshore Sailing Strain on Athletes Explained	
	15:00 - 16:00	Session 3 : Rotor Sails	On the effectiveness of the WMLES approach to capture the physics of high-Reynolds number rotating cylinder flow / Pinto Influence of wind unsteadiness and inhomogeneity on the mean and fluctuating aerodynamic force acting on a wingsail / Bouhourd Comparative Collision Risk Framework for Wind-Assisted Ship: A Case Study Between the English Channel and the Port of Santos / Hochhausen
	16:00 - 16:05	Closing Day & Departure to GKSS	
	16:30 - 20:30	Sailing GKSS & light refreshments	



THURSDAY 4
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8:45- 9:30

Keynote **Kai Graf** : VPP-Driven Sail and Foil Trim Optimization for the Olympic NACRA 17 Foiling Catamaran.



9:30- 10:50

Session 4 : Experimental Work

An experimental approach to WAPS performance assessment for RoRo vessel / **Gouriou**
Experimental and Numerical Assessment of the Inflow Conditions for a Wind Propulsion Unit Onboard an Ocean-Going Vessel / **Hillenbrand**
Experimental Hydrodynamic Performance Assessment of Wind Assisted Ships / **Sauder**
Development of a software-in-the-loop Wind-propulsion-system simulator for tank testing of Wind-Assisted Ship models / **Jouenne**



10:50 - 11:10

Coffee Break



11:10- 11:50

Session 5 : Structures

High-Performance Stringer-Stiffened Composite Hull Structures under Slamming Loads: The Effects of Hydroelasticity and NonUniform Pressure Loads / **Pearson**
Characterizing Dynamic Strain Response under Slamming Loads: Experimental Analysis on Composite Structure / **Grizon**



11:50 - 12:55

Poster Highlight Session



13:00 - 14:15

Lunch



14:15 - 15:35

Session 6 : Digital twins and AI

Leveraging sailing racing yachts digital twin for real-time onboard predictions / **Montois**
Benchmarking Ultra-Wide Band for Measuring Soft Kites Deformation by Using Camera Validation / **Hirtzig**
Sail-CV: an open-source project for embedded computer vision measurement of sails aerodynamic / **Foucher**
Physics-guided Machine Learning for Performance Modelling of the Nacra 17 Class / **Olsson**

15:35 - 15:55

Coffee Break



15:55 - 17:15

Session 7 : Propulsion

Propulsive Performance of a 100m WASP Vessel Obtained from Heeled & Yawed Towing Tank Tests / **Gauvain**
Development of a reduced order model for predicting the propulsive factors of a Wind-Assisted Ship / **Bakari**
Effect of High-Aspect-Ratio Appendages on the Steady-State Balance of a primary-Wind-Powered Containership / **Bickert**
A numerical analysis of propeller pitch variations for wind assisted ship propulsion / **Lopes**

17:15 - 17:30

Closing of day 2 - transport to Gala Dinner location

18:30 - 22:00

Gala Dinner : River Restaurant



FRIDAY 5
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8:45 - 10:05

Session 8 : Foils



10:05 - 10:25

Coffee Break



10:25 - 11:45

Session 9 : Routing



11:45 - 12:45

Panel discussion on Wind
Propulsion



13:00 - 14:15

Lunch



14:15 - 14:55

Session 10 : Life Cycle
Analysis



14:55 - 15:15

Coffee Break



15:15 - 16:00

Closing Remarks

A Control For Stabilizing A Flying Sailing Boat With Foils / **Destuynder**

A preliminary framework for the simultaneous optimization of geometry and kinematics of an oscillating foil / **Abgrall**
CFD Analysis of Geometric Deviations in Nacra 17 Hydrofoils and their Impact on Hydrodynamic Performance / **Parmegiani**
Experimental Study on the Influence of Regular Waves on the Hydrodynamic Performance of an iQFOiL Hydrofoil / **Navas Rodriguez**

Route optimization effects on Wind-Assisted bulk carrier and general cargo ship / **Hansen**

Impact of Aerodynamic Sail Interactions on Weather Routing Performance for a Wind-Assisted Ship / **Vuillermoz**

Accounting for representative meteorological conditions within the design phase of a wind-assisted ship: a weather scenario reduction approach to streamlining extensive simulation / **Reece**

Sensitivity of Wind Model Parameters on Route Simulation of Wind-Powered Ships / **Kramer**

Hansen, Reche-Vilanova, Viola, Werner

Life-Cycle Assessment & AI for WAPS / **Vaghela & Souppez**

A Life-Cycle Perspective on Primary Wind Propulsion / **Wendling**

