Publication List

Performance Evaluation and Ranking of 7 Rudders for the Finn Dinghy
A. Persson, L. Larsson, M. Brown and C. Finngård
SSPA Sweden AB, Sweden, Chalmers University of Technology, Sweden

Investigation of Modern Sailing Yachts using a New Free-Surface RANSE Code
K. Graf, J. Meyer, H. Renzsch and C. Preuß
Univ. Applied Sciences Kiel, Germany, Fluid Engineering Solutions, Germany

Comparison of Hydrodynamic Performances of an Imoca 60 with Straight or L-Shaped Daggerboard
L. Mazas, Y. Andrillon, A. Letourneau, P. Kerdraon and G. Verdier
HydrOcean, France, VPLP, France, Verdier Architecture Navale, France

Hydrodynamics of Wind-Assisted Ship Propulsion Validation of Rans-CFD Methodology
N.J. van der Kolk, J.A. Keuning and R.H.M. Huismans
Delft University of Technology, The Netherlands

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J.R. Binns, A. Ashworth-Briggs, A Fleming, J. Duffy, M. Haase and M. Kermarec
Australian Maritime College, University of Tasmania, Australia, Artemis Racing

Flexible Hydrofoil Optimization for the 35th America’s Cup with Constrained EGO Method
M. Sacher, M. Durand, E. Berrini, F. Hauville, R. Duvigneau, O. Le Maître, J.A. Astolfi
Naval Academy Research Institute, France, K-Epsilon, France, Groupama Team France, Sirli Innovations, France, MyCFD, Université Côte d'Azur, INRIA, CNRS, France, LIMSI - CNRS, France

System-Based Modelling of a Foiling Catamaran
B. Horel
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Velocity Prediction of Wing-Sailed Hydrofoiling Catamarans
N. Hagemeister and R. G. J. Flay
Yacht Research Unit, University of Auckland, New-Zealand

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A. Andersson, A. Barreng, E. Bohnsack, L. Larsson, L. Lundin, R. Sahlberg, E. Werner, C. Finngård, A. Persson, M. Brown and J. McVeagh
Chalmers University of Technology, Sweden, SSPA Sweden AB, Sweden

Aerodynamic Analysis around a C-Class Catamaran in Gust Conditions using LES and Unsteady RANS Approaches
A. Fiumara, N. Gourdain, V.-G. Chapin and J. Senter
Assystem France, France, ISAE-Supaéro, France

Full Scale Pressure Measurements from SYL Navigation: an Upwind Case Study
I. Bayati, S. Muggiasca, P. Schito, A. Vandone and M. Belloli
Politecnico di Milano, Italy

Ship Towed by Kite in Waves: a Strongly Coupled System
N. Bigi, J. B. Leroux, K. Roncin, A. Nême, C. Jochum and Y. Parlier
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Modelling and Control of a Tethered Kite in Dynamic Flight
B. Cadalen, F. Griffon, P. Lanusse, J. Sabatier and Y. Parlier
Beyond The Sea, France, Bordeaux INP, IMS UMR 5218, France

Experimental Set up for Measuring Onshore and Onboard Performances of Leading Edge Inflatable Kites - Presentation of Onshore Results
M. Behrel, K. Roncin, J.-B. Leroux, F. Montel, A. Nême, C. Jochum and Y. Parlier
ENSTA Bretagne, France, Beyond the sea, France

Unsteady Aerodynamics of Downwind S-Turns in Small Boat Sailing
R.R. Schutt and C.H.K. Williamson
Cornell University, Ithaca, NY, USA

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N. Aubin, B. Augier, J. Deparday and M. Sacher
Naval Academy Research Institute, France

The Leading-Edge Vortex of Yacht Sails
I. M. Viola and A. Arredondo-Galeana,
Institute of Energy Systems, School of Engineering, University of Edinburgh, UK

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S. Nava, J. Cater and S. Norris
University of Auckland, New-Zealand
Aerodynamics of a Highly Cambered Circular Arc Aerofoil: Experimental and CFD Investigations
R.G.J. Flay, A. Piard and P. Bot
University of Auckland, New-Zealand, Ecole Navale IRENav, France

Towards Unsteady Approach for future flutter calculations
L. Mouton, A. Leroyer, G.B. Deng, P. Queutey, T. Soler, and A. Finkelstein
Bureau Veritas, France, Ecole Centrale de Nantes, LHEEA UMR-CNRS 6598, France, Farr Yacht Design, USA

Fluid Structure Interaction Design Development of Passive Adaptive Composite International Moth Foil
L. Marimon Giovannetti, J. Banks, M. Ledri, S.W. Boyd, and S.R. Turnock
University of Southampton, UK, Land Rover BAR, UK

Racing Yacht Appendages Optimisation using Fluid-Structure Interactions
R. Balze N. Bigi, K. Roncin, J. B. Leroux, A. Néme, V. Keryvin, A. Connan, H. Devaux and D. Gléhen
GSea Design, France, ENSTA Bretagne, FRE CNRS 3744, IRDL, France, Univ. Bretagne Sud, FRE CNRS 3744, IRDL, France

An Analytical Approach to Estimate the Compressive Strength of Carbon Fibre Reinforced Plastics
P.Y. Mechin, V. Keryvin, J.C. Granddidier and D. Glehen
Univ. Bretagne Sud, IRDL CNRS 3744, France, ISAE-ENSMA, Pprime CNRS 3346, France, GSea Design, France

Poster List

Hydrofoiling Catamaran Experimental Research Platform
University of Southampton, UK

Hull – Furniture Interaction in the Primary Response to Global Loads of a Sailing Yacht
D. Boote, G. Vergassola, S. Baldi and N. Fago
University of Genova, Italy, Naval Architect, Italy

Hard Grounding of Large Sailing Yacht
H. Conradi, H. Hoffmeister and S. Ehlers
Hamburg University of Technology, Germany, DNV GL, Germany

The Paper Boat: Building a Composite Optimist Dinghy with Cellulose Fiber and Epoxy Matrix
C. Finnsgård, M. Rigdahl, M. Brodin, G. Richardsson and G. Westman
Centre of Sport and Technology, Sweden, Chalmers University of Technology, Sweden, Royal Institute of Technology, Sweden

Smart Coatings for Drag Reduction in Yachts
B. Kidd, E. Balaras, M. Kashtalyan, I. M. Viola and T. I. Jozsa
University of Edinburgh, UK, University of Aberdeen, UK, George Washington University, DC, USA, International Paint Ltd., Felling, UK

Rowing with and without Oars
R. Labb, J.P. Boucher, T. Mouterd and C. Clanet
LadHyX, France

AVS: A Framework for Parametric Models Setting Dedicated to Simulation of Racing Multihull Behavior
E. Lavigne, G. Guillou and JP. Babau
Lab-STICC/UBO, France

Integration of a Ducted Hydrogenerator in the Hull of the Maxi-trimarain Spindrift 2
L. Mazas, D. Barcarolo, Y. Troalen and M. Michou
HydrOcean, France, Spindrift racing, France, Watt&Sea, France

Bayesian Strategies for Simulation-based Optimisation and Response Surface Creation Using a Single Tool. Application to Hydrofoil Optimisation
P. Ploé, R. Lanos, M. Visonneau and J. Wackers
Ecole Centrale de Nantes / CNRS / STREAMLINE, France

New Methodology of Bending Fatigue Test and Slamming Test on PVC Foam Core Sandwich with GFRP Faces
F. Allia, P. Casari, R. Gerard, J. Fajou, M. Khou and F. Jacquemin
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