



THE 24th CHESAPEAKE SAILING YACHT SYMPOSIUM

ANNAPOLIS, MARYLAND, JUNE 2022

Technical Program

June 10th Friday			June 11th Saturday		
8:00	9:00	Registration	8:00	9:00	Registration
9:00	9:10	Welcoming Remarks - J. Falls, Chair of CSYS	9:00	9:40	Keynote Address
9:10	9:45	Development of a Six Degree of Freedom Velocity Prediction Program for the foiling America's Cup Vessels - N. Patterson			Keynote Address
9:50	10:25	Towards Dynamic Velocity Prediction of NACRA 17 - S. Knudsen	9:45	10:20	Agent Based Match Racing Simulations: Starting Practice - D. Lidstrom
10:30	10:50	Break [20 min]	10:25	10:50	Break [25min]
10:50	11:25	Real Time Heading Sensors Fusion and Fault Detection - P. Mathias	10:50	11:25	Practical Performance Prediction of Foil-Configured Monohull Yachts - C. Oliver
11:30	12:05	The Use of GPS Data to Predict Racing Yacht Collision Conditions - A. Melia	11:30	12:05	Velocity Prediction Program for an Hydrofoiling Lake Racer - M. Melis
12:10	13:30	Lunch	12:10	13:10	Lunch
13:30	13:40	ITC Update	13:10	13:45	Free-Surface Effects on Two-Dimensional Hydrofoils by RANS-VOF Simulations - L. Pernod
13:40	14:15	Sailing in waves: A numerical method for analysis of seakeeping performance and dynamic behavior of a wind powered ship - M. Kjellberg	13:45	14:20	Concurrent Multi-component Optimization of Stiffened Plate Yacht - T. Lorimer
14:20	14:55	Multi-wing Sails Interaction Effects - L. Giovannetti	14:20	14:55	Numerical Water Impacts of 2D Hull Forms using Dynamic Overset Meshing - C. Pearson
15:00	15:30	Break [30 min]	15:00	15:30	Break [30 min]
15:30	16:05	Wingsail Profile Optimisation Using Computationally Efficient Methods - W. Birch-Tomlinson	15:30	16:05	A High Blockage Correction for Downwind Sails - JB Soupez
16:10	16:45	Progress in Development and Design of DynaRigs for Commercial Ships - M. Fluck	16:10	16:45	CNC Enabled Wood/Metal Composite Construction of (Relatively) High Performance Sailing Yachts - C. Barry
17:30	18:30	USNA Hydro Lab Tour [Tentative]	16:45	17:00	Closing Remarks
			18:00	22:00	Cocktail Reception @ Severn Sailing Association

	Administrative
	Performance Prediction/Maneuvering
	Sensors
	Aerodynamics
	Hydrodynamics
	Structures/FSI
	Design
	General
	Social