**Entries for the Mandles Prize**

An Analytical Study of the Drag Characteristics of a Hydrofoil Supported Catamaran   
 Basak Ulker   
 Florida Institute of Technology  
 Degree: M.S. – May 2014  
 Faculty Advisor: Prasanta Sahoo

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| On the Design, Construction and Testing of  a Fully-Submerged Canard Hydrofoil System for a Low-speed Solar Boat Neola Putnam, Gregory Dickert, Caleb Wagner  Cedarville University  Degree: BSME – May 2013 Faculty Advisor: Dr. Timothy Dewhurst |
| Consideration of Upwash-Induced Interference Effects in the Design of a Self-Stabilizing Tandem Hydrofoil Vessel  Toby Dewhurst Cedarville University Degree: B.S. – December 2009 Faculty Advisor: Dr. Timothy Dewhurst |
| HyPR – Hydrofoil Rowing Boat Project  Max Ludwig Knoetig and Linda Ahnen  ETH – Zurich, Switzerland  Degree: Dipl. Physics – April 2012  Faculty Advisor: Dr. Adrian Biland |
| Design and Assessment of a Super-High Speed, Hybrid Hydrofoil /SWATH Crew Boat  Vasileios Georgiadis, Leon Faison, Kyle Miller  Massachusetts Institute of Technology  Degree: Nav. Eng., M.S. Eng. – June 2014  Faculty Advisor: Stefano Brizzolara |
| Application of a T-Hydrofoil for Performance Enhancement of an Ultra-Light Displacement Sailing Boat  Alexander Briggs Australian Maritime College, UTAS, Tasmania Degree: PhD. – October 2016 Faculty Advisor: J. R. Binns |
| Speed Sailing Design and Velocity Prediction Program  Dane Hull  Australian Maritime College, UTAS, Tasmania  Degree: B.S. Eng. – November 2011  Faculty Advisor: J. R. Binns |
| Can a Flapless Hydrofoil Provide a Realistic Alternative to a Standard Moth Foil With a Flap?  James Mackenzie Australian Maritime College, UTAS, Tasmania Degree: B.S. Naval Architecture – December 2013 Faculty Advisor: J. R. Binns |
| Hydrofoil Assisted Sport Fisher  Matthew Guenther, Uihoon Chung, Mark Mallett, Ryan Britt  Stevens Institute of Technology  Degree: B.S. Naval Engineering – May 2014  Faculty Advisor: Raju Datla |
| The Grounding Survivability of Hydrofoil Passenger Vessels  Darren Duarte  University of New South Wales, Australia – School of Mechanical and Manufacturing Engineering  Degree: Bachelor of Engineering (Mechanical) /Bachelor of Science (Psychology) – March 2011 Faculty Advisor: Phillip J.Helmore |