



**The International Hydrofoil Society (IHS)  
2021 Mandles Prize for Hydrofoil Excellence**

**Announcement of Awards  
Congratulations to This Year's Winner!**

**Final Results**

**First Prize (one at \$2,500):**

- *“A Multi-Input Multi-Output Control Model for a Hydrofoil Boat with Differential Front & Rear Strut Steering and Actuated-Wing-Induced Roll”*

By: Jason Paulus  
Cedarville University, Cedarville, Ohio  
Faculty Advisor: Dr. Timothy Dewhurst

**Honorable Mention (two at \$1,000 each):**

- *“Foiling Autonomous Surface Vessel: Project C-Flyer”*

By: James Hawkins-Dady, Henrique Faria, Jessica Carter, Diogo Nunes,  
Alex Pardoe, and Robert Williams  
University of Southampton, United Kingdom  
Faculty Advisor: Professor Stephen Turnock

- *“Investigation of the Influence of Crew Setup on Performance for the Olympic NACRA 17 Foiling Catamaran”*

By: Louis Huchet  
University of Southampton, United Kingdom  
Faculty Advisor: Professor Stephen Turnock

## Background on This Year's Competition

A number of entries for the 2021 Mandles Prize were received, reflecting a range of hydrofoil-related technology. We assembled an outstanding panel of judges to review the entries, and they determined that this year's First Prize winner is from Cedarville University, Cedarville, Ohio. In addition, two Honorable Mention awards will be given this year, both to students at the University of Southampton, United Kingdom. The three papers will be posted on our website, [www.foils.org](http://www.foils.org), in the near future.

Our appreciation and thanks go to the many prominent schools of the previous (2014-2020) and 2021 Mandles Prize cycles and the students and faculty advisers that competed. They include: Australian Maritime College, University of Tasmania; Cedarville University; Ecole Polytechnique Federale de Lausanne (EPFL), Switzerland; Florida Institute of Technology; Massachusetts Institute of Technology; Stevens Institute of Technology; University of Florida, Ghent University, Swiss Federal Institute of Technology; Technical University of Delft, Netherlands; Tolani Maritime Institute, India; University of Genoa, Italy; University of New Orleans; University of New South Wales, Australia; University of Southampton, United Kingdom; Newcastle University, United Kingdom; United States Naval Academy, Annapolis, Maryland; and Webb Institute, Glen Cove, New York.

The International Hydrofoil Society thanks entrants for their interest in hydrofoil technology and for their excellent work. We wish all of you the best in your professional careers and sincerely hope that you will continue to participate in activities of the IHS.

By virtue of applying for the 2021 IHS Mandles Prize, all students and their faculty advisers are now members of the International Hydrofoil Society. We invite them and anyone who is interested to volunteer for our not-for-profit efforts encouraging hydrofoil research, development and applications.

Now, with the 2021 IHS Mandles Prize in the record books, it's time to think ahead to the 2022 competition, the announcement for which will be posted on [www.foils.org](http://www.foils.org) in September 2021. The sooner preparations begin, the greater the chance of submitting a winning entry. Good luck, and we look forward to welcoming all of you and those who follow in your footsteps next year.

Finally, we want to express our sincere appreciation to Martinn and Connie Mandles for their continuing support as the benefactors and namesakes of the IHS Mandles Prize.

Sincerely,

Ray Vellinga, President, International Hydrofoil Society  
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