Jason Dahl

Current Grad Students:
Erdem Aktosun
Jack Clark
Matt Colavita
Deniz Gedikli
Amin Mivehchi (co-advised with Prof. Grilli and Prof. Licht)
Chris O’Reilly (co-advised with Prof. Grilli)
Jeong-Yong Park
Alex Stott

Research Interests:
• Experimental Hydrodynamics
• Fluid-Structure Interactions
• Biologically-Inspired Engineering
• Ocean Renewable Energy
Flow Visualization Lab
Ground Effect on Flapping Foils
Embedded Pressure Sensing

Alex Stott, Amin Mivehchi, Professor Licht
Integrating Experiments with Simulation

Jack Clark, Letti Kittel, Jeong-Yong Park, Erdem Aktosun, Alex Stott
Development and validation of an efficient hybrid-CFD method for fluid-structure interaction problems

Chris O’Reilly, JJ. Schock, Amin Mivehchi, Professor Grilli
Hydrodynamics of shape changing bodies and flow control

Matt Colavita, Stephanie Steele (MIT), James Schulmeister (MIT), Gabe Weymouth (Southampton), Michael Tiantafyllou (MIT)

Active/passive shape change and vorticity control may be used to reduce drag in maneuvering. (Schulmeister, MIT)
Flow Induced Vibrations

Deniz Gedikli, Erdem Aktosun

$B = 1.66 \quad m^* = 3.76$