

CURRICULUM VITAE

Megan M. Carroll

Research Engineer
AOPE, MS #17
Smith Building, Rm. 310
Woods Hole Oceanographic Institution
Woods Hole, MA 02543

Telephone: (508) 289-2288
Fax: (508) 457-2195
E-mail: mcarroll@whoi.edu

EDUCATION:

B.S. Mechanical Engineering, The University of Vermont, 1999
Martha's Vineyard Regional High School, 1995

PROFESSIONAL EXPERIENCE:

Research Engineer, WHOI, AOPE Department, 2009-present
Engineer II, WHOI, AOPE Department, 2002-2009
Engineer I, WHOI, AOPE Department, 2000-2002
Visiting Investigator, WHOI, AOPE Department, 1999-2000
Polymer Products Manufacturing Testing Team Summer Intern, W.L. Gore & Associates, Elkton, MD., Summer 1998

HONORS & AWARDS:

Vineyard Vision Fellowship Award, After-School STEM program, 2019-2022
NASA Reduced Gravity Student Flight Opportunities Program, March 1999
SWE Technical Paper Competition, New England Runner-up, April 1999
Passed Fundamentals of Engineering (FE) Examination, April 1999

PROFESSIONAL AFFILIATIONS:

IEEE/WIE, Member 2017-present
IEEE/OES, Member 2020-present
Society of Women Engineers, Member 2013 - 2017
Engineers Without Borders, Member 2013-2015

RESEARCH INTERESTS:

Design and testing for oceanographic research systems including surface buoys, manned and unmanned underwater vehicles and mooring components.

PROFESSIONAL ACTIVITIES:

WHOI:

Defined Contribution Retirement Plan Committee, 2014
AOPE Department Chair Search Committee, 2005

Outside WHOI:

ACE MV Marine Science Advisory Committee, 2021
SeaMATE Triggerfish ROV, Summer STEM Camp Instructor, August 2018 & 2019

SeaPerch ROV, Summer STEM Camp Instructor, July 2017 & August 2018, 2019 & 2021

Sail Martha's Vineyard, Board Member, 2015 - 2019

Engineers Without Borders, Professional Mentor, Greenhouse Rehabilitation/Monitoring Project, Peru, August 2013

PARTICIPATION IN EDUCATION AT WHOI:

Autodesk Inventor Training: Training courses held at WHOI; 2004, 2005, 2006, 2007, 2008, 2009

SolidWorks Training: Training course held at WHOI; 2009

Autodesk Mechanical Desktop Training: Training courses held at WHOI; 2000, 2001, 2002, 2003, 2004

Introduction to Oceanography: 2001

SUPERVISION/MENTORING AT WHOI:

Chris Maciel – Volunteer, 2018

Willa Vigneault – High School Work Study Volunteer (January – June 2017)

Ellis Carroll – Volunteer (summer 2013)

Clea Baumhofer – Engineering Assistant I (summer 2012)

Peter Osswald – Engineering Assistant I (summer 2011)

Anna Belle Hughes – Part-time Helper (summer 2011, 2012)

Alex Kavanaugh – Engineering Assistant I (summer 2010, 2011)

William Hopewell – Engineering Assistant I (summer 2010)

John Moakley – Engineering Assistant I (2009, summer 2010)

Eric Schmitt – Engineering Assistant I (summers 2008, 2009)

CRUISE PARTICIPATION:

September 7, 2009- September 10, 2009: R/V Atlantis Astoria, OR – San Francisco, CA.
Alvin Transit Cruise – Observed Alvin Dive Operations

November 2004: R/V Cape Hatteras Puerto Rico – Puerto Rico. SeaBED AUV Coral Habitat Mapping - Assisted in daily operations of AUV

December 2003: R/V Oceanus; Woods Hole – Woods Hole. Assisted with Mooring Operations

July 22, 2003 – August 3, 2003: R/V Atlantis; Woods Hole – Woods Hole. Assisted with Alvin Operations

Participated in excess of 10 Tioga Cruises

PRESENTED TALKS:

January 2015

Presenter: Sail Martha's Vineyard Winter Talk Series: *WHOI's Deep Submergence Underwater Vehicles*

October 2014
July 2014

Presenter: Rotary Club Martha's Vineyard: *Alvin Upgrade*
Presenter: WHOI Science Made Public: *Alvin Gets a Makeover*

James Irish, Megan Carroll, Robin Singer, Art Newhall, Walter Paul, Craig Johnson, Nick Witzell, Glen Rice, Dave Fredericksson, "*Instrumentation for Open Ocean Aquaculture Monitoring*, W.H.O.I. Technical Report, October 2001.