

Margaret Tivey Appointed as Vice President and Dean at WHOI



Dr Margaret K. (Meg) Tivey has been selected as vice president and dean for academic programmes at Woods Hole Oceanographic Institution (WHOI). Tivey will oversee all academic programmes at WHOI, which include the MIT/WHOI Joint Program (JP) in Oceanography/Applied Ocean Science & Engineering for graduate students, postdoctoral and undergraduate programmes and the graduate-level Geophysical Fluid Dynamics Programme. Tivey has served since August 2010 as associate dean of academic programmes and will transition to dean on 1 November 2017.

WHOI is accredited by the New England Association of Schools and Colleges and awards graduate degrees jointly with MIT through the MIT/WHOI Joint Program. Created in 1968 when two eminent scientific institutions joined forces, the MIT/WHOI Joint Program is

among the most respected oceanography and ocean engineering graduate programmes in the nation. In the programme's most recent 10-year accreditation in 2014, the evaluation committee reported: "JP students do excellent, often world-class work. The theses of JP students are among the finest produced in the country. The JP is a national asset without which the ocean sciences in the world would be diminished." In 2016, the programme conferred its thousandth degree. It also offers a master's degree programme for U.S. Naval officers, earned by more than 80 officers to date.

Various Academic Programmes

In addition, WHOI academic programmes operates postdoctoral and undergraduate programmes. WHOI hosts 40 or more postdoctoral researchers who work closely with the scientific staff, making significant contributions to Earth and ocean science and engineering. Undergraduate programmes at WHOI include the Summer Student Fellowship programme, which brings bright, talented students to Woods Hole to learn more about ocean science, attend lectures by Woods Hole scientists, and conduct independent research working alongside world-class scientists. The Semester at WHOI (SAW) programme is offered in the fall semester for advanced undergraduates (juniors or seniors) majoring in science, engineering or mathematics.

WHOI also hosts the Geophysical Fluid Dynamics Program, a ten-week research and study programme that brings together eight to ten competitively selected graduate students with researchers from a variety of backgrounds, providing an intense research experience spanning different disciplines. As dean, Dr Tivey will serve as the WHOI point of contact for the Marine Biological Laboratory-Woods Hole Oceanographic Institution Library.

Each of these programmes includes a significant research experience and is central to the Institution's mission of advancing "understanding of the ocean and its interaction with the Earth system, and to communicating this understanding for the benefit of society."

Seafloor Hydrothermal Systems

Tivey has spent her career at WHOI. She earned a BSc degree with distinction in geology at Stanford University (1980), and MSc (1983) and PhD (1989) degrees in geological oceanography at the University of Washington. She came to WHOI as a postdoctoral scholar in 1989 and was hired as an assistant scientist in the Department of Marine Chemistry & Geochemistry in 1990. She is now a senior scientist.

Tivey's research is focused on seafloor hydrothermal systems. She studies active vents throughout the world, using human-occupied submersibles and remotely operated vehicles to access the vent sites. Her research combines laboratory, theoretical, and field studies to examine the formation of seafloor vent deposits and the transfer of energy and mass through active hydrothermal systems. She has authored or co-authored 70 scientific papers, including several for general audiences.

She was a National Science Foundation (NSF) Ridge2000 Distinguished Lecturer in 2004 and the American Geophysical Union Ocean Sciences Section Rachel Carson Lecturer in 2005. She has served on many committees related to deep-submergence at WHOI and within the NSF RIDGE Program. She was a steering committee member of NSF RIDGE from 1992 to 1995, the NSF RIDGE Endeavour Observatory Coordinator from 1996 to 2002, and a co-chair (with Oscar Schofield) of the Ocean Ridge Interactive Observatory Networks Workshop in 2004, which was the open community workshop for the Ocean Observatories Initiative. She served as director of the Deep Ocean Exploration Institute at WHOI from 2008 to 2010.

Tivey has been involved in education activities at WHOI since 1990. As a scientist with interests that span several departments, she has served as advisor, sponsor, or committee member of students and postdocs in multiple disciplines and departments, and has been heavily involved in the administration of WHOI's educational s. She served as chair of the Joint Committee for Chemical Oceanography from 1999 to 2002, held the Johnson Chair in Oceanography (education coordinator for the MC&G Department) from 2004 through 2008, and was awarded WHOI's Arnold B. Arons Award for Excellence in Teaching, Advising, and Mentoring.

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