

About the speaker

Dr. Marcia K. McNutt

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Biography:

Born: February 19, 1952 (age 63), Minneapolis, Minnesota, U.S.

Institutions: United States Geological Survey, Monterey Bay Aquarium Research Institute, Stanford University, University of California, Santa Cruz, Massachusetts Institute of Technology, Scripps Institution of Oceanography

Alma mater: Colorado College, University of California, San Diego

Marcia Kemper McNutt is an American geophysicist who is editor-in-chief of the journal Science. McNutt holds a visiting appointment at the Scripps Institution of Oceanography. She chaired the climate intervention committee of the National Academy of Sciences who delivered two reports in 2015.

McNutt was the 15th director of the United States Geological Survey (USGS) and science adviser to the United States Secretary of the Interior. Prior to working for USGS, McNutt was president and chief executive officer of the Monterey Bay Aquarium Research Institute, an oceanographic research center in the United States, professor of marine geophysics at the Stanford University School of Earth Sciences and professor of marine geophysics at University of California, Santa Cruz. On July 6, 2015, she was nominated to be the first woman to serve as president of the National Academy of Sciences.

McNutt is a member of the National Academy of Sciences, the American Philosophical Society and the American Academy of Arts and Sciences. She is a fellow for the American Geophysical Union, the Geological Society of America, the American Association for the Advancement of Science and the International Association of Geodesy. She chaired the President's Panel on Ocean Exploration under President Bill Clinton.

Selected publications

1978, "Lithospheric flexure and uplifted atolls". Journal of Geophysical Research 83

1979, "Compensation of ocean topography – Application of the response function technique to the Surveyor area". Journal of Geophysical Research 84

1982, "Constraints on yield strength in the oceanic lithosphere derived from observations of flexure". Geophysical Journal International 71