**FACULTY POINTS OF PRIDE**

- David Boutt was awarded the 2018 Birdsall-Dreiss lecturer from the Geological Society of America.
- Michele Cooke, a world leader in geomechanics and modeling, is contributing leadership to the fault mechanics community via the NSF/USGS Southern California Earthquake Center.
- Rob DeConto, a world leader on the future fate of polar ice sheets and their contribution to global sea level rise, was a Tinker-Muse Prize Winner 2016 for Science and Policy in Antarctica. DeConto had the highest scoring article of the year for media coverage in 2016.
- Christine Hatch and Eve Vogel are co-leaders of the transformative RiverSmart Communities Project, promoting public awareness of increased intensity of river flows during storms.
- Mike Jercinovic won the Presidential Science Award 2017 from the Microanalysis Society for contributions to the advancement of electron probe microanalysis. Jercinovic measured the narrowest beam possible.
- Isaac Larsen received the prestigious Luna Leopold Award in Geomorphology from the American Geophysical Union in December 2017.
- Mike Rawlins is a leader in documenting the intensification of the Arctic's freshwater cycle and has engaged in media interactions on issues related to climate change and weather extremes.
- Stan Stevens is the author of an influential 2010 article in the International Union for the Conservation of Nature's Policy Matters and is among the founders of the ICCA Consortium, with planning adopted by IUCN at the World Conservation Congress 2016 (Honolulu).
- Eve Vogel is the co-author of “Supporting New England Communities to Become River-Smart: Policies and Programs that can Help New England Towns Thrive Despite River Floods”.
- Mike Williams is a leader in microprobe analysis, making UMass among the top microprobe laboratories in the world.
- Jon Woodruff is a world leader in understanding the geologic history of coastal flooding, estuarine processes, and tsunami risk in Japan, the eastern US seaboard, and elsewhere.
- Haiying Gao received a prestigious career award from The United States National Science Foundation in February, 2018 for her work on the seismic imaging of subduction zones.

**HIGHLIGHTS**

- Programs in Paleoclimate, Tectonics/Earth Dynamics, Hydrogeology and Human Geography, and Sustainability
- New 5th Year MSc in Geographical Information Systems
- New Undergraduate GIS Certificate Program
- New Introductory Laboratory and stunning Tabletop Geology
- Top Microprobe Laboratory in the World
- Internationally recognized Biogeochemistry Laboratory
- State of Art Cosmogenic Isotope-Surface Dating Laboratory
- River Smart Program Excellence
- Home to NE Climate Science Center - 1 of 8 such institutions in the US!
- Internationally recognized Hydrogeology Program
- Home to Massachusetts Geological Survey
- Home to the world-class Climate System Research Center
- Department contributions to general education reaches nearly 3,000 students per year
- Ranked 4th in US based on percentage of women faculty
- Ranked high as a department for student satisfaction

**RESEARCH AREAS**

- Paleoclimate studies
- Coastal processes
- Regional tectonics and structure
- Origin of magmas
- Fault system mechanics
- Geophysics
- Surface and ground water systems
- Landscape evolution and hazards
- Urban geography
- Indigenous peoples
- Water and energy geography
- Geographic Information Systems

**DEGREES**

- Earth Systems: BS
- Geography: BA, BS, MS
- Geology: BA, BS
- Environmental Science: BS
- Geosciences: MS, PhD

**STUDENT ORGANIZATIONS**

- Geography Club
- Geology Club

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**BY THE NUMBERS FY17**

- Tenure-track faculty: 19
- Lecturers, Research and Extension professors: 7
- Post-doctoral fellows: 4
- Undergraduate majors: 350
- Of whom are joint environmental science majors: 275
- Graduate students: 65
- Research awards: $2.4M

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