

William Kearney

Education

2013 – present **Ph.D.**, *Boston University*, Boston, MA.
Earth Sciences

2009 – 2013 **B.A.**, *University of Pennsylvania*, Philadelphia, PA.
Science, Technology and Society and Earth Science

Publications and Presentations

Peer-reviewed articles

- [1] **William S. Kearney**, Giulio Mariotti, Linda A. Deegan, and Sergio Fagherazzi. Stage-discharge relationship in tidal channels. *Limnology and Oceanography: Methods*, 2017.
- [2] Giulio Mariotti, **William S. Kearney**, and Sergio Fagherazzi. Soil creep in salt marshes. *Geology*, 44(6):459–462, 2016.
- [3] **William S. Kearney** and Sergio Fagherazzi. Salt marsh vegetation promotes efficient tidal channel networks. *Nature Communications*, 7, 2016.

In press

In preparation

- [1] **William S. Kearney**, Arnold Fernandes, and Sergio Fagherazzi. Sea-level rise structures coastal forests into persistence and regeneration niches.

Presentations

- [1] **William S. Kearney**, Giulio Mariotti, and Sergio Deegan, Linda A. Fagherazzi. Stage-discharge relationships in tidal channels. Presented at the AGU Fall Meeting, San Francisco, CA, 2016.
- [2] **William S. Kearney** and Sergio Fagherazzi. Deriving process knowledge from data in coastal ecohydrology. Presented at Data Science Workshop, University of Washington, Seattle, WA, 2015.
- [3] **William S. Kearney** and Sergio Fagherazzi. Salt marsh vegetation promotes efficient tidal channel networks. Presented at the AGU Fall Meeting, San Francisco, CA, 2014.

Funding

Summer 2015 **Warren-McLeod Summer Fellowship**, *Boston University Marine Program*.

Teaching

Spring 2017 **Digital Image Processing (GE440/640)**, *Boston University, Department of Earth and Environment*, Teaching fellow.
Designed and taught laboratory section of core remote sensing class

Fall 2016 **Estuaries and Nearshore Systems (ES543)**, *Boston University, Marine Program*, Teaching fellow.
Supported student projects in field-based class

Summer 2016 **Introduction to Unix/Bash and Introduction to Version Control**, *Boston University, Open Science Study Group*, Instructor.
Led workshops to introduce students, researchers and staff to fundamental tools of open science

Spring 2016 **Introduction to Hydrology (ES317)**, *Boston University, Department of Earth and Environment*, Teaching fellow.
Ran laboratory sections

Spring 2015 **Introduction to Environmental Earth Science (ES105)**, *Boston University, Department of Earth and Environment*, Guest lecturer.

Fall 2015 **Estuaries and Nearshore Systems (ES543)**, *Boston University, Marine Program*, Teaching fellow.
Supported student projects in field-based class

Spring 2014 **Introduction to Hydrology (ES317)**, *Boston University, Department of Earth and Environment*, Teaching fellow.
Ran laboratory sections

Service

2016-2017 **Graduate Academic Affairs Committee, Graduate Student Representative**, *College of Arts and Sciences, Boston University*.

2015-2016 **Academic Policy Committee, Graduate Student Representative**, *College of Arts and Sciences, Boston University*.

2015-2017 **Graduate Student Representative**, *Department of Earth and Environment, Boston University*.

References

Sergio Fagherazzi, *Associate Professor*, Boston University, sergio@bu.edu.
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