

## Christopher S. Bassett, Ph.D.

Woods Hole Oceanographic Institution  
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### EDUCATION

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- 2013 **Ph.D., Mechanical Engineering** *Univ. of Washington, WA*  
Dissertation: *Ambient Noise in an Urbanized Tidal Channel*
- 2010 **M.S., Mechanical Engineering** *Univ. of Washington, WA*  
Thesis: *Underwater Ambient Noise at a Proposed Tidal Energy Site in Puget Sound*
- 2004 **B.S., Mechanical Engineering, Minor in Spanish** *Univ. of Minnesota, MN*  
Thesis: *Institute of Technology Fall 2006 Energy Audit*

### PROFESSIONAL EXPERIENCE

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- 2013 **Postdoctoral Scholar** *Woods Hole Oceanographic Institution, MA*  
– present Mentor: Andone Lavery

### TEACHING

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- 2008 – 2009 **Teaching Assistant** *Dept. of Physics, University of Washington*  
Physics 121
- 2005 **Assistant Director/Tutor** *Santo Rosario Grupo de Jovenes, Minneapolis, MN*  
Math, Science, and English

### OUTREACH

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- 2013 **Invited Speaker** American Cetacean Society Speaker Series, Puget Sound Chapter  
2013 **Invited Speaker** Emerald Sea Diving Club  
2013 **Invited Speaker** Marker Buoy Dive Club  
2012 – 2013 **Exhibitor** Seattle Science EXPO  
2010 – 2013 **Presenter** UW College of Engineering Discovery Days  
2012 **Volunteer** National Ocean Science Bowl - Orca Bowl  
2012 **Guest Instructor** Robinson Center Summer Challenge Presentation on Tidal Energy  
2010 – 2011 **Volunteer/Instructor** Ocean Inquiry Project  
2008 **Exhibit Design** Windustry at the Minnesota State Fair  
2007 – 2008 **Organizer and Instructor** for B.R.I.D.G.E at the University of Minnesota.

### HONORS AND AWARDS

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- 2013 Woods Hole Oceanographic Institution Postdoctoral Scholar Fellowship  
2013 University of Washington Graduate School Medal  
2010 NSF Graduate Research Fellowship Program  
2006 – 2007 University of Minnesota Institute of Technology Dean's List  
2006 – 2007 S & V Jacobsen Scholarship

## SERVICE

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- 2013 Workshop on *Instrumentation for Monitoring around Marine Renewable Energy Devices*  
2013 **Review Panel:** *DOE Marine and Hydrokinetic (MHK) Environmental Effects Assessment and Monitoring*  
2012 **Review Panel:** *Marine Renewable Energy Resource Characterization and Environmental Monitoring: Review and Gap Analysis of Technologies and Capabilities for Natural Resources Canada's CanmetENERGY*  
2010 **Notetaker:** *Workshop on Environmental Effects of Tidal Energy*

## PROFESSIONAL MEMBERSHIPS

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Acoustical Society of America  
American Geophysical Union

## PUBLICATIONS

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- Bassett, C.**, Dahl, P., Thomson, J., and Polagye, B. (submitted). Flow-noise and turbulence in two tidal channels, *Journal of the Acoustical Society of America*.  
Polagye, B. **Bassett, C.**, Barr, S., and Holt, M., Carter, C., and Wilson, B. (submitted). Estimated detection of tidal turbine operating noise in Admiralty Inlet, Puget Sound, Washington, *Journal of Oceanic Engineering*.  
**Bassett, C.**, Thomson, J. and Polagye, B. (2013). Ambient noise and bed stress in a tidal channel, *J. Geophysical Research – Oceans*, 118, 1-17.  
**Bassett, C.**, Polagye, B., Thomson, J. and Holt, M. (2012). A vessel noise budget for Admiralty Inlet, Puget Sound, WA (USA), *Journal of the Acoustical Society of America*, 132(6), 3706-3719.

## CONFERENCE PROCEEDINGS AND OTHER DOCUMENTS

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- Bassett, C.**, Polagye, B. and Thomson, J., Rhinefrank, K. Underwater noise measurements of a 1/7<sup>th</sup> scale wave energy converter. *MTS/IEEE Oceans*. Kona, HI. September 18-22, 2011.  
**Bassett, C.**, Thomson, J., and Polagye, B. Characteristics of underwater ambient noise at a proposed tidal energy site in Puget Sound. *MTS/IEEE Oceans*. Seattle, WA. September 21-23, 2010.

## CONFERENCE ABSTRACTS

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- Bassett, C.**, Thomson, J., Polagye, B., and Wood, J. Shifting gravel and the acoustic detection range of killer whales. *American Geophysical Union Fall Meeting*, San Francisco, CA, December 3-7, 2012.  
**Bassett, C.**, Thomson, J., and Polagye, B. Course-grained sediment mobilization as a source of ambient noise. *American Geophysical Union Ocean Sciences Meeting*. Salt Lake City, UT. February 20-24, 2012.  
**Bassett, C.**, Polagye, B. and Thomson, J., and Rhinefrank, K. Underwater noise measurements of a 1/7<sup>th</sup> scale wave energy converter. *MTS/IEEE Oceans*. Kona, HI. September 18-22, 2011.  
**Bassett, C.**, Polagye, B. and Thomson, J. Approaches to ambient noise characterization at tidal energy sites. *Meeting of the American Fisheries Society*, Seattle, 2011.  
**Bassett, C.**, Thomson, J. and Polagye, B. Estimating the acoustic impact of a tidal energy project, *Meeting of the Acoustical Society of America*, 2011.  
Polagye, B., Wood, J., **Bassett, C.**, D. Tollit, and J. Thomson, Behavioral response of harbor porpoises to vessel noise in a tidal strait, *Meeting of the Acoustical Society of America* 2011.

Polagye, B., Thomson, J., **Bassett, C.**, and Epler, J. Comprehensive characterization of a tidal energy site. *American Geophysical Union Fall Meeting*. San Francisco, CA. December 13-17, 2010.

Polagye, B., **Bassett, C.** and, Thomson, J. Passive acoustics. *Renewable Ocean Energy and the Marine Environment*. Palm Beach Gardens, FL. November 4-6, 2010.