

Daniel T. Cox
CH2M-Hill Professor in Civil Engineering
Coastal and Ocean Engineering Program
School of Civil and Construction Engineering
Oregon State University

Dr. Cox's research focuses on community resilience to coastal hazards, including tsunami and hurricane surge and waves inundation in the built and natural environments. He conducts research on tsunami and wave impacts on near-coast structures, tsunami evacuation and life safety, sediment transport and erosion, and nature-based solutions for coastal hazards mitigation.

1. Professional Preparation

University of Delaware	Civil Engineering	BS, 1987
University of Delaware	Civil Engineering	MS, 1989
University of Delaware	Civil Engineering	PhD, 1995

2. Appointments

Assoc. Director	Center for Risk-Based Community Resilience Planning	2014 – now
Professor	Civil and Constr. Engineering, Oregon State University	2009 – now
Adjunct Prof.	College of Earth, Ocean and Atmospheric Science	2007 – now
Director	Cascadia Lifelines Program, Oregon State University	2016 – 2019
Visiting Scholar	Disaster Prevention Research Inst, Kyoto Univ, Japan	2010 – 2011
Director	Hinsdale Wave Res. Laboratory, Oregon State University	2002 – 2010
Assoc. Prof.	Civil Engineering, Oregon State University	2002 – 2009
Assoc. Prof.	Civil Engineering, Texas A&M University	2001 – 2002
Assistant Prof.	Civil Engineering, Texas A&M University	1995 – 2001
Res. Assistant	Center for Applied Coastal Research, Univ. of Delaware	1991 – 1995
Visiting Scholar	Coastal Engineering Laboratory, Kyoto University, Japan	1989 – 1991
Res. Assistant	Center for Applied Coastal Research, Univ. of Delaware	1987 – 1989

3. Professional Awards and Recognition

CH2M-Hill Professor in Civil Engineering, Oregon State University	2018 – now
Co-author of Editor's Choice Selection paper, <i>Natural Hazards Review</i>	2018
Co-author of Best Journal Paper, <i>J. Structural Engineering</i>	2017
Co-author of two Outstanding Papers, <i>J. Waterway Port Coast and Ocean Engrg.</i>	2016
Co-author of paper awarded ASCE/SEI Raymond C. Reese Research Prize	2015
Co-author of Outstanding Paper, <i>J. of Performance of Constructed Facilities</i>	2013
Outstanding Research Leadership Award, OSU, College of Engineering	2013
Japan Society for the Promotion of Science, Long-Term Invitation Fellow	2010 – 2011
Research Collaboration Award, Oregon State University College of Engineering	2006
Japan Society for the Promotion of Science, Short-Term Invitation Fellow	1999
NSF Faculty Early Career Development (CAREER) Award	1998

4. Professional Activities

Journal Editor:	
Associate Editor, <i>Natural Hazards Review</i>	2019 – now
Associate Editor, <i>Coastal Engineering</i>	2017 – now
Associate Editor, <i>Sustainable and Resilient Infrastructure</i>	2015 – now
Associate Editor, <i>Journal of Waterway, Port, Coastal and Oc. Engrg</i>	2012 – 2017

Associate Editor, <i>Coastal Engineering Journal</i>	2011 – 2013
Associate Editor, <i>KSCE Journal of Civil Engineering</i>	2011 – 2013
Associate Editor, <i>Coastal Engineering Journal</i>	2001 – 2003

Journal Reviewer:

<i>Applied Geography</i>	<i>Journal of Coastal Research</i>
<i>Applied Ocean Research</i>	<i>Journal of Engineering Mechanics</i>
<i>Climate Change</i>	<i>Journal of Geophysical Res. – Ocean</i>
<i>Coastal Engineering</i>	<i>Journal of Geophysical Res. – Earth Surface</i>
<i>Coastal Engineering Journal</i>	<i>Journal of Hydraulic Engineering</i>
<i>Continental Shelf Research</i>	<i>Journal of Hydraulic Research</i>
<i>Earthquake Spectra</i>	<i>Journal of Oc. Engrg. and Marine Energy</i>
<i>Engineering Mechanics</i>	<i>Journal of Performance of Constr. Facilities</i>
<i>Estuarine, Coastal and Shelf Science</i>	<i>Journal of Wtwy, Port, Coast. and Oc. Engrg</i>
<i>European Journal of Mechanics - Fluids</i>	<i>Marine Geology</i>
<i>Experiments in Fluids</i>	<i>Natural Hazards</i>
<i>Intern. Society of Offshore and Polar Engrs.</i>	<i>Natural Hazards Review</i>
<i>Geomorphology</i>	<i>Ocean Engineering</i>
<i>Geosciences</i>	<i>Ocean Modeling</i>

Committees and Service:

Oregon Tsunami Line Working Group	2019 – now
ASCE 7-22, Chapter 5, Flood Load subcommittee (Chair)	2017 – now
ASCE 7-22, Chapter 6, Tsunami Loads and Effects subcommittee	2017 – now
ASCE Coastal Engineering Research Council	2016 – now
NSF Natural Hazards Engineering Research Infrastructure (NHERI) Council	2016 – now
ASCE / COPRI Coastal Engineering Research Council	2015 – now
NIST Center for Risk-based Community Resilience Planning, member	2014 – now
DHS Coastal Resilience Center, member	2014 – now
ASCE / COPRI Coastal Structures Committee (Chair)	2013 – now
NRC Committee on USACE Coastal Risk Reduction	2013 – 2014
ASCE 7-16, Chapter 5, Flood Load subcommittee	2013 – 2016
ASCE 7-16, Chapter 6, Tsunami Loads and Effects subcommittee	2011 – 2016
Network for Earthquake Engineering Simulation (NEES), committee	2010 – 2014
US Senate Testimony, Subcommittee on Tsunami Preparedness	2005
ASCE / COPRI Board of Governors	2002 – 2004
ASCE / COPRI Communications Committee	1997 – 2002

5. Publications and Presentations

Journal Papers Published: 99

Book Chapters: 5

Conference Proceedings and Abstracts: 119

Invited Lectures and Presentations: 59

6. Advising and Mentoring

Post-doctoral scholars: 5

Graduate students: 38

Undergraduate research students: 46

High school STEM teachers: 3