

H. Tuba Özkan-Haller

Professor

College of Earth, Ocean, and Atmospheric Sciences

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Professional Preparation

Boğazici University, Turkey	Civil Engineering	B.S., 1991
University of Delaware	Civil Engineering	M.S., 1994
University of Delaware	Civil Engineering	Ph.D., 1998
Univ. Cantabria, Spain/Univ. Delaware	Coastal Engineering	Post-doc 1997-1998

Appointments

2014-present	Professor – College of Oceanic and Atmospheric Sciences, Professor – School of Civil and Construction Engineering, Oregon State University, Corvallis, OR
2008-2014	Associate Professor – College of Oceanic and Atmospheric Sciences, Associate Professor – School of Civil and Construction Engineering, Oregon State University, Corvallis, OR
2012	Visiting Associate Professor, Department of Civil Engineering, Boğazici University, Turkey
2001-2008	Assistant Professor – College of Oceanic and Atmospheric Sciences, Oregon State University, Corvallis, OR
2001-2008	Assistant Professor – School of Civil and Construction Engineering, Oregon State University, Corvallis, OR
1998-2001	Assistant Professor – Department of Naval Architecture and Marine Engineering, University of Michigan, Ann Arbor, MI

Products

5 most closely related peer-reviewed publications

- Wilson, G.W., Özkan-Haller, H.T. (2012), Ensemble-based data assimilation for estimation of river depths, *Journal of Atmospheric and Oceanic Technology*, 29(10), 1558-1568, doi: 10.1175/JTECH-D-12-00014.1.
- Garcia-Medina, G., Özkan-Haller, H.T., Ruggiero, P., and *Oskamp, J.* (2013), An Inner-Shelf Wave Forecasting System for the US Pacific Northwest. *Wea. Forecasting*. doi:10.1175/WAF-D-12-00055.1.
- Lenee-Bluhm, P., Paasch, R., Özkan-Haller, H.T. (2011), Characterizing the wave energy resource of the US Pacific Northwest, *Renewable Energy*, 36(8), 2106-2119, doi: 10.1016/j.renene.2011.01.016.
- Long, J., and Özkan-Haller, H.T. (2005), Offshore controls on nearshore rip currents, *J. Geophys. Res.*, 110, C12007, doi:10.1029/2005JC003018.
- Özkan-Haller, H.T., Li, Y. (2003) "Wave-current interaction effects on shear instabilities", *J. Geophys. Res.*, 108, C5, 3139, doi: 10.1029/2001JC001287.

5 other publications

- Reimers, C.E., **Özkan-Haller H.T.**, Berg, P., Devol, A., *Grosvenor-McCann, K.*, Sanders, R.D. (2012), Benthic Oxygen Consumption Rates Determined by Eddy Correlation during Hypoxic Conditions on the Oregon Continental Shelf, *J. Geophys. Res.*, 117, doi:10.1029/2011JC007564
- Haller, M.C. and Özkan-Haller, H.T. (2007), Waves on unsteady currents, *Physics of Fluids*, 19, 126601.

- Özkan-Haller, H.T., Brundidge, S. (2006) "Equilibrium beach profile concepts for Delaware beaches" *J. Waterways, Coastal and Ocean Engrg.*, in press.
- Holman, R.A., Stanley, J. and Özkan-Haller, H.T. (2003) "Applying Video Sensor Networks to Nearshore Environment Monitoring", *IEEE Pervasive Computing*, **2**, 14-21.
- Chawla, A., Özkan-Haller, H.T. and Kirby, J.T. (1998). "Spectral wave model for wave transformation over irregular bathymetry." *J. Waterways, Port, Coastal and Ocean Engrg.*, **124**, 189-198.

Synergistic Activities

- Member, National Research Council Ocean Studies Board, 2013-present.
- Convener and Chair, 2010 AGU Ocean Sciences Meeting Special Session, 1998 AGU Fall Meeting Special Session. Organizing committee, Gordon conference on Coastal Oceanography, 2009.
- Mentor for Interdisciplinary Approach to Coastal Processes and Hazard Mitigation Research Experiences for Undergraduates (REU) program, 2003-2005.
- Invited speaker at the House Oceans Caucus Luncheon on "Efforts to understand and predict coastal damage by storms", Library of Congress, May 2003.
- On-screen interviewee in 3 documentaries (History Channel, National Geographic Channel, Oregon Public Broadcasting), 3 educational videos. Quoted in 6 newspaper and magazine articles, featured on 1 news segment.

Collaborators and Other Affiliations

(i) Collaborators:

Merrick Haller, Rob Holman, Clare Reimers, Peter Ruggiero (Oregon State University); Steve Henderson (Washington State University); Chris Chickadel, Gordon Farquharson, Andrew Jessup, Jim Thomson (University of Washington)

(ii) Graduate and Postgraduate Advisors:

M.S. and Ph.D. theses – James Kirby (Univ. Delaware)
Postgraduate – Miguel Losada (Univ. of Granada, Spain)

(iii) Thesis Advisor (15) and Postgraduate-Scholar Sponsor (3):

Masters students – Jamie Lescinski (M.Oc.E., 2004), Joseph Long (M.Oc.E., 2005), Lisa Andes (M. Oc.E., 2007), Greg Wilson (M.S., 2009), Jeff Oskamp (M.Oc.E., 2011), Gabriel Garcia-Medina (M.S., 2012), Cameron McNatt (M.Oc.E., 2012), Sarah Kassem (M.S., 2012), Kyle Landon (M.Oc.E., 2012), Rebecca Aiken, (M.S., exp. 2014), Manuel Garcia (M.S., exp 2015).

Ph.D. students – Joseph Long (2009), Greg Guannel (2009), Greg Wilson (2013), Gabriel Garcia-Medina (exp. 2017)

Postdoctoral – Haiying Jiao (2002-2005), Çiğdem Akan (2012-present), Saeed Moghimi (2012-present)
International Scholars – Miguel Ortega-Sanchez, University of Granada (July-September 2006), Jung L. Lee, Sungkyunkwan U., Korea (2010)