

SCOTT M. GLENN

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Coastal Ocean Observation Lab

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EDUCATION:

1983 Sc.D. in Ocean Engineering (4.0 GPA), MIT/WHOI Joint Program, Cambridge & Woods Hole, MA.
Thesis Advisor: William D. Grant. Thesis Title: A Continental Shelf Bottom Boundary Layer Model:
The Effects of Waves, Currents and a Moveable Bed.

1978 B.S. with High Honors in Geomechanics, University of Rochester, Rochester, New York.

PROFESSIONAL APPOINTMENTS:

Shell Development Company, Houston, Texas, **Research Engineer**, 1983-1986.

Harvard University, Cambridge, Massachusetts, **Project Scientist**, 1986-1990.

Rutgers University, New Brunswick, New Jersey, **Associate Prof.**, 1990-1998, **Prof.**, 1998-2012, **Prof. II**, 2012.

SELECTED PRODUCTS with Research-Education Themes (Over 140 Total Publications):

Glenn, S.M., plus 24 scientists and 58 students from U.S., Canada, Spain and Portugal, 2011. The Trans-Atlantic Slocum Glider Expeditions: A catalyst for undergraduate participation in ocean science and technology, *Marine Technology Society Journal*, Vol. 24, No. 1, pp. 52-67.

Glenn, S.M., O. Schofield & J. Kohut, 2010. International team completes first trans-Atlantic underwater glider flight, *Journal of Operational Oceanography*, Vol. 3, No. 1, p. 2.

Glenn, S., 2009. Oceanography in 2025: Responding to Growing Populations on a Changing Planet, in *Oceanography in 2025*, Proceedings of a National Research Council Workshop, pp. 17-21.

Glenn, S.M., & O. Schofield, 2009. Growing a Distributed Ocean Observatory: Our view from the COOLroom, *Oceanography*, Vol. 22, No. 2, pp. 112-129.

Glenn, S. M., Jones, C., Twardowski, M., Bowers, L., Kerfoot, J., Kohut, J., Webb, D., Schofield, O. 2008. Glider observations of sediment resuspension in a Middle Atlantic Bight Fall Transition Storm. *Limnology and Oceanography*, 53: 2180-2196.

Paduan, J.D., P.M. Kosro and **S.M. Glenn**, 2004. A National Coastal Ocean Surface Current Mapping System for the United States, *Marine Technology Society*, 38 (2), 76-82.

Glenn, S.M., +18 Coauthors, 2004. The expanding role of ocean color and optics in the changing field of operational oceanography, *Oceanography*, Vol. 17, No. 2, pp. 86-95.

Glenn, S.M., & O. Schofield, 2004. Observing the oceans from the COOLroom: Our history, experience, and opinions, *Oceanography*, Vol. 16, No. 4, pp. 37-52.

Glenn, S.M., W. Boicourt, B. Parker and T.D. Dickey, 2000. Operational observation networks for ports, a large estuary and an open shelf. *Oceanography*, 13: 12-23.

Glenn, S.M., T.D. Dickey, B. Parker & W. Boicourt, 2000. Long-term real-time coastal ocean observation networks, *Oceanography*, Vol. 13, No. 1, pp. 24-34.

CURRENT SYNERGISTIC ACTIVITIES:

- 1) U.S. Integrated Ocean Observing System (U.S. IOOS) Association Representative, *U.S. Committee for the Intergovernmental Oceanographic Commission*, UNESCO.
- 2) U.S. IOOS Regional Representative, *U.S. National High Frequency (HF) Radar Network Steering Committee*.
- 3) U.S. IOOS Representative, *Global HF Radar Network*.
- 4) U.S. IOOS Regional Representative, Hurricane Forecast Improvement Program (HFIP).
- 5) Applied Technology Councilor, elected by membership to *The Oceanography Society Council*.
- 6) Principal Investigator, U.S. IOOS *Mid-Atlantic Regional Association Coastal Ocean Observing System*.
- 7) Executive Council & HF Radar PI, DHS *National Center for Secure and Resilient Maritime Commerce*.
- 8) PI, NSF Ocean Observing Initiative, *Education and Public Engagement Implementing Organization*.
- 9) Co-PI, NSF *Centers for Ocean Sciences Education Excellence-Networked Ocean World*.
- 10) Scientist & Teacher, Lawrence Hall of Science's *Communicating Ocean Sciences to Informal Audiences* course.

HONORS AND AWARDS:

2012 New Jersey State General Assembly, *Resolution*, commemorating the Coastal Ocean Observation Lab's 20 years of research, education and service to the State of New Jersey and the Nation.
2011 Executive Producer, *Atlantic Crossing: A Robot's Daring Mission*, 14 Film Festival Awards, 352 PBS TV Airdates.
2011 DHS, *Impact Award*, for coordinating the U.S. IOOS response to the Gulf of Mexico oil spill.
2010 *New Jersey Professor of the Year*, Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education (CASE).
2010 Smithsonian National Museum of Natural History, First *Transatlantic Underwater Robot* exhibit.
2010 NSF, *Scientists Making an Impact in Ocean Sciences Education*, Featured Scientist (1 of 10).
2009 U.S. Secretary of Commerce Gary Locke, Congratulatory Video, *Trans-Atlantic Glider Landing*.
2008 Rutgers School of Environmental & Biological Sciences, *Outstanding Undergraduate Advisor*.
2007 Naval Research Lab, *Collaboration Award*, for Helping to Focus Future Naval Ocean Research.
2006 Rutgers Cook College, *Team Award*, for Integrated Coastal Ocean Research-Education Program.
2002 New Jersey State General Assembly, *Resolution #209*, Honoring Coastal Research-Education Program.
2000 Rutgers University, *The Scholar-Teacher Award*, first recipient of Rutgers President's new award.

COLLABORATORS & CO-EDITORS (Last 4 years): A. Allen (Coast Guard), D. Aragon (Rutgers), M. Arrott (UCSD), L. Atkinson (ODU), A. Balasuriya, D. Barrick (CODAR), P. Bergmann (EPA), J. Billet (NWS), P. Bissett (FERI), A. Blumberg (Stevens), J. Bosch (U. Maryland), W. Brown (U. Mass), L. Creed (Rutgers), M. Bruno (Stevens), W. Boicourt (U. MD), L. Bowers (AquaWind), W. Brown (U. Mass), M. Bruno (Stevens), B. Cahill (Rutgers), R. Castelao (U. Georgia), R.J. Chant (Rutgers), Y. Chao (JPL), R.F. Chen (U. Mass Boston), S. Chien, B. Choi, H. Clark, B. Cole (SUNY), A. Cope (NOAA NWS), M.P. DeLuca (Rutgers), A. Crag (NOAA NWS), R. Dunk (AquaWind), J.F. Fracassi (Rutgers), K. Fennel (Dalhousie), A. Flagg (SUNY), T. Frazer (U. Florida), A. Gangopadhyay (U. Mass), T. Garner (ODU), G. Gawarkiewicz (WHOI), D. Gong (WHOI), J.F. Grassale (Rutgers), J. Graver (Rutgers), D.B. Haidvogel (Rutgers), S. Haines (ODU), C. Haldeman (Rutgers), E. Handel (Rutgers), T. Haskins (Rutgers), I. Heifetz (Rutgers), T. Herrington (Stevens), D. Holloway (OPeNDAP), L. Hotaling (Stevens), R. Houghton (Columbia), E. Howlett (Applied Science), E. Hunter (Rutgers), J. Iainiello, C. Jakubiak (U. Mass), C. Jones (T. Webb), J. Jurisa (Rutgers), A. Kahl (Rutgers), J. Kerfoot (Rutgers), L. Kerkhof (Rutgers), D. King (U. Maryland), J. Kohut (Rutgers), J. Krauthamer (U. Delaware), U. Kremer (Rutgers), E. Lemus (Rutgers), P. Lermusiaux (MIT), E.R. Levine, B. Lipphardt (U. Delaware), H. Lobe (Marine Safety Systems), S. Lichtenwalder (Rutgers), B. Lipphardt (U. Delaware), A. MacDonald (Monmouth), J. Manderson (NOAA), J. McDonnell (Rutgers), D. McGillicuddy (WHOI), M. Meisinger (UCSD), D. Metaxas (Rutgers), J. Moisan (NASA), M. Moline (CalPoly), M. Montes-Hugo (Mississippi State), M. Muglia (U. North Carolina), J. O'Donnell (U. Conn), L. Ojanen (Rutgers), M. Oliver (U. Delaware), J. Orcutt (Scripps), M. Parashar (Rutgers), C. Petrone, R. Ramadurai (Rutgers), P. Ramey (Rutgers), H. Roarty (Rutgers), O. Schofield (Rutgers), D. Seidel (Rutgers), H. Seim (U. NC), A. Shapiro, R. Signell (UCSG), C. Strong (NWS), D. Thompson, C. Thoroughgood (U. Delaware), J. Titlow (Weatherflow), M. Twardowski (WetLabs), D. Ullman (URI), N. Verona (CIT), E. Volwinkel (USGS), C.J. von Alt (WHOI), N. Vorona (CIT), A. Voros (Rutgers), D.C. Webb (T. Webb), Z. Weifeng (Rutgers), J.E. Wiggins (Princeton), J. Wilkin (Rutgers), R. Wilson (SUNY), W. Wittman (PSE & G), J. Yapalater (Freeport Tuna Club), J. Yoder (WHOI), Y. Xu (Rutgers), Y. P. Zhang (WHOI)

2009-2010 Editor, *Journal of Atmospheric and Oceanic Technology*.

Graduate and Postdoctoral Advisors: William D. Grant (WHOI, deceased), Graduate Advisor. No Postdoctoral Advisor.

Thesis Advisor and Postgraduate-Scholar Sponsor: Students: Michael Crowley (Rutgers), Hoyle Lee (Columbia), Richard Styles (U. South Carolina), Scott Durski (Oregon State), Josh Kohut (Rutgers), Louis Bowers (AquaWind), Donglai Gong (WHOI), Travis Miles (Rutgers), Greg Seroka (Rutgers). Post-docs: Timothy Keen (NRL), Anna Matteoda, Robert Chant (Rutgers), Richard Styles (U. South Carolina), Renaldo Casteleo (U. Georgia).