

SCOTT M. GLENN

Coastal Ocean Observation Lab
Institute of Marine and Coastal Sciences
School of Environmental and Biological Sciences
Rutgers, The State University of New Jersey
71 Dudley Road, New Brunswick, NJ 08901-8521
(Tel.) 732-932-6555, x506; (Fax) 732-932-8578, E-mail: glenn@marine.rutgers.edu
<http://marine.rutgers.edu/cool>; <http://www.thecoolroom.org>; <http://www.coolclassroom.org>

EDUCATION:

University of Rochester, Rochester, New York, B.S. with High Honors, Geomechanics, 1978.
MIT/WHOI Joint Program, Cambridge & Woods Hole, Massachusetts, Sc.D., Ocean Engineering, 1983.

APPOINTMENTS:

Vice-Chair, Rutgers Department of Marine and Coastal Sciences, 1999-present (third term).
Professor, Rutgers University, New Brunswick, New Jersey, 1998 - present.
Associate Professor, Rutgers University, New Brunswick, New Jersey, 1990 – 1998.
Project Scientist, Harvard University, Cambridge, Massachusetts, 1986 – 1990.
Research Engineer, Shell Development Company, Houston, Texas, 1983 – 1986.

FIVE SCIENCE PUBLICATIONS (Over 120 total):

Glenn, S.M., C. Jones, M. Twardowski, L. Bowers, J. Kerfoot, D. Webb, O. Schofield. 2008. Glider Observations of sediment resuspension in a Middle Atlantic Bight fall transition storm. *Limnology and Oceanography*. 53 (6): 2180-2196.

Castelao, R., O. Schofield, **S. Glenn**, J. Kohut, R. Chant. 2008. Cross-shelf transport of fresh water in the New Jersey shelf during the spring and summer 2006. *Journal of Geophysical Research*, doi: 10.1029/2007JC004241.

Schofield, O., Chant, R., Cahill, B., Castelao, R., Gong, D., Kahl, A., Kohut, J., Montes-Hugo, M., Ramadurai, R., Ramey, P., Xu, Y., **Glenn, S. M.** 2008. The decadal view of the Mid-Atlantic Bight from the COOLroom: Is our coastal system changing? . *Oceanography* 21(4): 108-117.

Castelao, R., **Glenn, S.**, Schofield, O., Chant, R., Wilkin, J., Kohut 2008. Seasonal evolution of hydrographic fields in the central Middle Atlantic Bight from glider observations . *Geophysical Research Letters* doi:10.1029/2007GL032335

Chant, R. J., **S. M. Glenn**, E. Hunter, J. Kohut, R. F. Chen, R. W. Houghton, J. Bosch, and O. Schofield 2008. Bulge Formation of a Buoyant River Outflow. *Journal Geophysical Research* 113, C01017, doi:10.1029/2007JC004100.

FIVE TECHNOLOGY PUBLICATIONS:

Schofield, O., Kohut, J., Aragon, D., Creed, L., Graver, J., Haldeman, C., Kerfoot, J., Roarty, H., Jones, C., Webb, D., **Glenn, S. M.** 2007. Slocum gliders: Robust and ready, *Journal of Field Robotics*. 24(6): 1-14. DOI: 10.1009/rob.20200.

Glenn, S. M., Arnone, R., Bergmann, T., Bissett, W. P., Crowley, M., Cullen, J., Gryzmski, J., Haidvogel, D., Kohut, J., Moline, M. A., Oliver, M., Orrico, C., Sherrell, R., Song, T., Weidemann, A., Chant, R., and Schofield, O., 2004. The biogeochemical consequences of summer upwelling off the New Jersey coast. *Journal Geophysical Research*, 109, C12S02, doi:10.1029/2003JC002265.

Glenn, S.M. and O.M.E. Schofield, 2004. Observing the Oceans from the COOLroom: Our history, experience, and opinions, *Oceanography*, V16, N4, pp. 37-52.

Glenn, S.M., O.M.E. Schofield, T. Dickey, R. Chant, J. Kohut, J. Bosch, L. Bowers, L. Creed, C. Haldemann, E. Hunter, J. Kerfoot, C. Mudgal, M. Oliver, H. Roarty, E. Romana, M. Crowley, D. Barrick and C. Jones, 2004. The Expanding Role of Ocean Color & Optics in the Changing Field of Operational Oceanography, *Oceanography*, June, pp 86-95.

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.

SYNERGISTIC ACTIVITIES:

- 1) Editor, *Journal of Atmospheric and Oceanic Technology*.
- 2) Board of Directors, IOOS Mid-Atlantic Coastal Ocean Observing Regional Association (MACOORA).

- 3) Principal Investigator & Co-Director, NOAA IOOS Mid-Atlantic Regional Coastal Ocean Observing System (MARCOOS), \$8.7 M.
- 4) Principal Investigator, ONR Glider Consortium and ONR Slocum Glider Technology Center
- 5) Host Institution, East Coast Data Hub, NOAA National HF Radar Network (hfradar.ndbc.noaa.gov).
- 6) Co-PI, NSF COSIA (Communicating Ocean Science to Informal Audiences).
- 7) Co-PI, NSF COSEE-NOW (Centers Ocean Sciences Education Excellence-Networked Ocean World).
- 8) Advisory Board, NOAA National Water Quality Monitoring Network, Delaware Bay Pilot Study.
- 9) Advisory Board, ALOHA Cabled Observatory – Operations Phase
- 10) Project Scientist, NSF Ocean Observing Initiative (OOI) Cyber Infrastructure Implementing Organization (CI IO), \$29 M..
- 11) Participation in Operational Navy Exercises: SHAREM150/Smart Search 05, SHAREM 151, MIREM 05, RIMPAC 06, Valiant Shield 07, RIMPAC 08, BALTOPS 08.
- 12) Participation in NOAA Exercises: Safe Sanctuaries Rapid Oil Spill Response Simulation, Florida, 2005.

HONORS AND AWARDS:

- 1) Naval Oceanographic Command Award for the First Dynamical Forecast Model Adopted for Operational Use by the U.S. Navy, 1989.
- 2) Special Edition of *The Bulletin, New Jersey Academy of Science*, dedicated to the Rutgers University Graduate Course in Remote Sensing of the Ocean and Atmosphere, Scott Glenn and Jim Miller, 1996.
- 3) Named a Teaching Fellow by the Rutgers University Teaching Excellence Center, 1997.
- 4) First recipient of The Rutgers University President's Scholar-Teacher Award for using research initiatives to enhance teaching, 2000.
- 5) New Jersey State Assembly Resolution No. 209, Commending Rutgers University Coastal Ocean Observation Lab for its Coastal Ocean Research, Service and Education Outreach Programs, 2002.
- 6) Rutgers Cook College Team Award, Rutgers University Coastal Ocean Observation Lab, 2006.
- 7) Naval Research Lab Collaboration Award, for helping to focus future Naval Oceanographic Research to Support the United States Navy Warfighter Operating in the Littoral Zone.
- 8) Rutgers School of Environmental & Biological Sciences, Outstanding Undergraduate Advisor, 2008.

RESEARCH GRANTS:

1) PI or Co-PI on over \$50 M in research grants to Rutgers University from the National Science Foundation (NSF), Office of Naval Research (ONR), National Oceanographic and Atmospheric Administration (NOAA), National Ocean Partnership Program (NOPP), Department of Homeland Security (DHS), Department of Defense Counter Narcoterrorism Project Office (CNTPO), Department of Energy (DoE), Environmental Protection Agency (EPA), New Jersey Department of Environmental Protection (NJDEP), New Jersey Department of Transportation (NJDOT), New Jersey Board of Public Utilities (NJBPU), Public Service Electric & Gas (PSE&G), Vetlesen Foundation, Regional Head Quarters for Northern Norway Joint Military Command (RHQNN).

COLLABORATORS & OTHER AFFILIATIONS: (a) Collaborators and Co-Editors (last 5 years).

Ken Able (Rutgers), Matthew Arrott (Scripps), Larry Atkinson (ODU), Hernan Arango (Rutgers), Bob Arnone (NRL), Don Barrick (CODAR Ocean Sensors), Kelly Benoit-Bird (OSU), Trisha Bergmann (U. Maine), Bill Biocourt (U. Maryland), Paul Bissett (FERI), Shelly Blackwell (CalPoly), Allan Blumberg (Stevens), William Boicourt (U. Maryland), Emanuel Boss (U. Maine), Louis Bowers (Rutgers), Jack Burbank (JHU/APL), Allan Blumberg (Stevens), William Browning (Applied Mathematics Inc), Mike Bruno (Stevens), Brad Butman (USGS), Grace Chang (UCSB), Bob Chant (Rutgers), Bob Chen (UMass), Yi Chao (JPL), Jim Churchill (WHOI), Jorge Corredor (U. Puerto Rico), Tommy Dickey (UCSB), Rich Dunk (Rutgers), Paul Falkowski (Rutgers), Tom Frazier (U. Florida), Hans Graber (U. Miami), Dale Haidvogel (Rutgers), John Hare (NOAA), John Helmick (Merchant Marine Academy), Tom Herrington (Stevens), Bob Houghton (Lamont), Clayton Jones (Webb Research), Anton Kjellas (CodarNor), William Kasch (JHU/APL), Tim Keen (NRL), Lee Kerkhof (Rutgers), Gary Kirkpatrick (Mote Marine Lab), Josh Kohut (Rutgers), Uli Kremer (Rutgers), Pierre Lermusiaux (MIT), Pete Lilleboe (CODAR Ocean Sensors), Belinda Lipa (CODAR Ocean Sensors), Bruce Lipphardt (U. Delaware), Janice McDonnell (Rutgers), Dimitri Metaxas (Rutgers), John Moison (NASA), Mark Moline (CalPoly), Robert Nichols (JHU/APL), Jim O'Donnell (UConn), John Orcutt (Scripps), Jeff Paduan (Naval PG School), David Porter (JHU/APL), John Quinlan (Rutgers), John Reinfelder (Rutgers), Hugh Roarty (Rutgers), Oscar Schofield (Rutgers), Rob Sherrell (Rutgers), Rich Styles (U. South Carolina), Carolyn Thoroughgood (U. Delaware), Jay Titlow (Weatherflow), Andrew Voros (COAST), Doug Webb (Webb Research), Tom Weingartner (U. Alaska Fairbanks), John Wilkin (Rutgers), Wayne Wittman (Public Service Electric & Gas), Mung Zuo (UMass)