

Summary Vitae: Kurtis R. Gurley

University of Florida
Department of Civil and Coastal Engineering
Gainesville, FL 32611-6580

Born: October 3, 1969
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Education:

University of Notre Dame	Civil Engineering	1994-1997	Ph. D.
University of Notre Dame	Civil Engineering	1991-1994	M.S.
University of Illinois (UIUC)	Aeronautical Engineering	1987-1991	B.S.

Professional Experience:

08/97 - 05/03	University of Florida	Assistant Professor
05/03 – present	University of Florida	Associate Professor

Five Pertinent Publications (out of 17 journal and > 60 conference)

Cope, A., Gurley, K., Gioffre, M., and Reinhold, T. “Low-Rise Gable Roof Wind Loads: Characterization and Stochastic Simulation”, Journal of Wind Engineering and Industrial Aerodynamics, 93(9), 719-738, 2005.

Simiu, E., Pinelli, J.P., Gurley, K., Subramanian, C., Zhang, L., Cope, A., and Filliben, J. “Hurricane Damage and Expected Loss Prediction Model for Residential Structures”, ASCE Journal of Structural Engineering, 130 (11), 1685-1691, 2004.

Aponte, L., Gurley, K., Prevatt, D. and Reinhold, T. “Uncertainties in the measurement and analysis of full-scale hurricane wind pressures on low-rise structures”, 12 ICWE, Cairns Australia, July 2007.

Liu, Z., Prevatt, D., Gurley, K. and Reinhold, T. “Validating Wind Tunnel Technique using Full Scale Wind Pressure Data”, 12 ICWE, Cairns Australia, July 2007.

Gurley, K., Davis, R., Ferrera, S-P., Burton, J., Masters, F., Reinhold, T. and Abdullah, M., “Post 2004 Hurricane Field Survey – an Evaluation of the Relative Performance of the Standard Building Code and the Florida Building Code”, ASCE Structures Congress, St. Louis, 2006.

Funded Research Topics (last 5 years – with collaborators)

- Wind Resistance of Florida Residential Construction: Effectiveness of Retrofit Mitigation Measures (w / IBHS)
- Florida Coastal Monitoring Program: Direct Measurement of Overland Hurricane Winds and Wind Loads on Residential Structures (with Clemson)
- Development of a Probabilistic Model of Insurable Loss to Hurricane Winds (with FIT, FIU)
- Wind Borne Debris Study in Florida Panhandle (with ARA)
- Modeling and Simulation of Wind Loads for Wind Hazard Mitigation (NSF Career)
- Post 2004 Hurricane Field Survey – Relative Performance of the Std. Bldg. Code and the FL Bldg. Code
- Vulnerability of the Power Utilities Infrastructure to Hurricane Winds: Wind Observation Network

Service (most relevant)

- Associate Editor for ASCE Structures - Wind Effects Committee (July 2003 - present)
- Scientific Committee Member - 11th International Conference on Wind Engineering, June 2003
- ASCE Journal of Engineering Mechanics - Probabilistic methods committee member
- NSF – Review Panel Member – 6 panels to date
- Scholarly Journal Reviews – approximately 100 reviews
- Steering Committee Member - 1st Americas Conference on Wind Engineering, 2001
- Invited Session Organizer and Chair – 15th ASCE Engineering Mechanics Division Conference, Columbia University, June 2002