



PROFESSIONAL EXPERIENCE

2015- Director of Projects, Applied Technology Council.
2003-15 Professor, Civil Engineering, Clemson University.
1995-03 Associate Professor, Civil Engineering, Clemson University.
1989-95 Assistant Professor, Civil Engineering, Clemson University.
1988-89 Visiting Assistant Professor, Civil Engineering, University of Illinois at Urbana-Champaign.

EDUCATION AND TRAINING

Ph.D. University of Illinois at Urbana-Champaign, 1988
M.S. University of Illinois at Urbana-Champaign, 1984
B.S. University of Cincinnati, 1982

MEMBERSHIPS

Member, American Society of Civil Engineers (ASCE), (1984-).
Member, Earthquake Engineering Research Institute (EERI), (1984-).
Member, American Association of Wind Engineering (AAWE), (1993-).
Member, Structural Engineers Association (SEA), (1998-).

HONORS AND AWARDS

The Norman Medal, American Society of Civil Engineers (1992).
Outstanding Teacher Award, Clemson University Chapter of Chi Epsilon (1993).
Outstanding Paper at the Seventh North American Masonry Conference, The Masonry Society (1996).
Faculty Advisor of the AISC/ASCE National Student Steel Bridge Competition Champion Team (2001).

RELATED PUBLICATIONS

Edmonson, C., Schiff, S.D., and Nielson, B.G., "Behavior of Light-Frame Wood Roof-to-Wall Connectors Using Aged Lumber and Multiple Connection Mechanisms," Journal of Performance of Constructed Facilities, 26 (1) , 26-37 (2012).
Grayson, M., Pang, W. -C., and Schiff, S. D., "Three-dimensional Probabilistic Wind-borne Debris Trajectory Model for Building Envelope Impact Risk Assessment," Journal of Wind Engineering and Industrial Aerodynamics, (102):22-35 (2012).
Rosowsky, D. V., and Schiff, S. D., "What Are Our Expectations, Objectives, and Performance Requirements in High Wind Regions?," Natural Hazards Review, 4 (3):144-148 (August 2003).
Scoville, E., Schiff, S. D. and Dolan D., "Performance of Wood Frame Walls Subjected to Combined Uplift and Shear Loads," Proceedings of the Eleventh International Conference on Wind Engineering, Lubbock, TX, (June 2003).
Reinhold, T. A., Schiff, S. D., Rosowsky, D. V., and Sill, B. L., "The Case for Enhanced Protection from Severe Winds," Journal of Architectural Engineering, 8 (2):60-68 (2002).
Rosowsky, D. V., and Schiff, S. D., "Mismatched Expectations, Objectives, and Performance Requirements for Wood-Frame Construction in High-Wind Regions," Wood Design Focus, 11 (2):13-16, (2001).
Rosowsky, D. V., Schiff, S. D., Reinhold, T. A., Sparks, P. R. and Sill, B. L., "Performance of Low-Rise Structures Subject to High Wind Loads: Experimental and Analytical Program," Wind Safety and Performance of Wood Buildings, Forest Products Society, Madison, WI, (2000).

Rosowsky, D. V., and Schiff, S. D., “Performance of Wood-Frame Structures Under High Wind Loads,” Wood Design Focus, 11 (1):14-18 (2000).

Sparks, P. R., Schiff, S. D., and Reinhold, T. A., “Wind Damage to Envelopes of Houses and Consequent Insurance Losses,” Journal of Wind Engineering and Industrial Aeronautics, 53:145-155 (1994).

RECENT RESEARCH PROJECTS

“Evaluation of Three Simpson Strong-Tie Connectors for Attachment of Roof Framing to Support Wall Under Combined 3-D Loading”, Co-PI, \$30,847, Simpson Strong-Tie, (2009).

“Evaluation of IRC Wind Provisions for the State of South Carolina”, Co-PI, \$63,000, State of South Carolina, (2009).

“Accelerated Bridge Construction: An Investigation of a Precast Alternative for Flat Slab Span”, Co-PI, \$155,998, South Carolina Department of Transportation, (2009).

“Predicting Building Envelope Failures of Residential Structures Due to Atlantic Basin Hurricane Wind Hazard”, Co-PI, \$59,264, South Carolina Sea Grant Consortium, (2010).

“Development of Solid and Hollow-Core Southern Pine Cross-Laminated Timber Systems for Low and Mid-Rise Construction”, Co-PI, \$52,515, United States Department of Agriculture, (2012).

“Accelerated Bridge Construction: An Investigation of Generic UHPC for Shear Keys of Precast Concrete Bridges”, Co-PI, \$81,112, South Carolina Department of Transportation, (2012).

“Debris Impact Resistance of Precast Solid and Insulated Panels”, PI, \$20,000, Precast/Prestressed Concrete Institute, (2013).

“Wind and Rain Resistant Design for Coastal Cross Laminated Timber Buildings”, PI, \$75,145, South Carolina Sea Grant Consortium, (2013).

“Performance of Light-Frame Shear Walls Constructed with Rigid Foam Insulation Between Structural Sheathing and Framing”, Huber Corporation, Co-PI, \$40,000, (2014).

SYNERGISTIC ACTIVITIES

Member, AWC Wood Standards Design Committee (2001-).

Organizer, Americas Conference on Wind Engineering-2001 (2000-01).

Member, SBCCI Seismic Prescriptive Standard Ad Hoc Committee (1994-98).

Member, Advisory Board of the Wood Education Institute (2012-14).

Founder, Clemson University Wood Utilization + Design Institute (2012-2014).

COLLABORATORS AND OTHER AFFILIATIONS

Collaborators (preceding 48 months)

Bryant Nielson, Civil Engineering, Clemson University.

Prasad Rangaraju, Civil Engineering, Clemson University.

Weichiang Pang, Civil Engineering, Clemson University.

Timothy Reinhold, Research Center, Insurance Institute of Business and Home Safety.

Dissertation and Thesis Advising

PhD Students: 5

MS (Thesis): 39