CURRICULUM VITAE

INVESTIGATOR NAME: Sungmoon Jung

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION	DEGREE *(if applicable)*	Completion Date YYYY	FIELD OF STUDY
Seoul National University	B.S.	1997	Civil Engineering
Seoul National University	M.S.	1999	Civil Engineering (Structural Eng.)
University of Illinois at Urbana-Champaign	Ph.D.	2004	Civil Engineering (Structural Eng.)
University of Illinois at Urbana-Champaign	Postdoc	2005	

A. Positions

2006-2008	Staff Engineer, Caterpillar Champaign Simulation Center (through Belcan Corporation)
2008-2014	Assistant Professor, Department of Civil and Environmental Engineering, Florida State University
2014-present	Associate Professor, Department of Civil and Environmental Engineering, Florida State University

B. Selected publications related to the proposal

Jung, S., Kim., S. R., Patil, A., & Hung, L. C. (under review), Effect of monopile foundation on the structural response of a 5-MW offshore wind turbine tower

Patil, A., Jung, S., & Kwon, O. S. (under review), Structural performance of a wind turbine tower subjected to strong ground motions

Alduse, B. P., Jung, S., Vanli, O. A., & Kwon, S. D. (accepted), Effect of uncertainties in wind speed and direction on the fatigue damage of long-span bridges, Engineering Structures

Alduse, B. P., Jung, S., & Vanli, O. A. (accepted), Condition-based updating of the fragility for roof covers under high winds, Journal of Building Engineering

Vanli, O. A., & Jung, S. (2014), Statistical updating of finite element model with Lamb wave sensing data for damage detection problems, Mechanical Systems and Signal Processing, 42, 137-151

Jung, S., & Masters, F. J. (2013), Characterization of open and suburban boundary layer wind turbulence in 2008 Hurricane Ike, Wind and Structures, 17, 135-162

Jung, S., Vanli, O. A., & Kwon, S. D. (2013), Wind energy potential assessment considering the uncertainties due to limited data, Applied Energy, 102, 1492-1503

Schellhammer, M., & Jung, S. (2012), Assessment of aluminum screen enclosure connections subjected to strong winds, Engineering Structures, 43, 78-87

C. Research Support

Jung, S. (May 2013 – Apr 2018), CAREER: Offshore Wind Turbines Subjected to Hurricanes: Simulation of Wind-Wave-Structure Interaction and Aerodynamic Load Reduction, National Science Foundation, $400,000

Jung, S., & Vanli, O. A. (Jan 2015 – Aug 2016), Promoting Preventive Mitigations of Buildings against Hurricanes through Enhanced Risk-Assessment and Decision-Making, National Oceanic and Atmospheric Administration through Florida Sea Grant, $200,000

Vanli, O. A., & Jung, S. (Apr 2012 – Mar 2013), Reliability Assessment of Aging Structures Subject to Hurricanes Using Senor-Based Condition Data, Florida State University Council on Research and Creativity, $12,000 (Co-PI with 50% share)

D. Other data pertinent only to the research or activity proposed

Conference Papers and Presentations

Jung, S., Kim, S.-R., Patil, A., & Hung, L. C. (2013), Effect of foundation modeling on the structural response of offshore wind turbines, 12th Americas Conference on Wind Engineering (12ACWE), American Association for Wind Engineering, Seattle, Washington, USA, June 16-20 [*]

Kwon, S.-D., Alduse, B. P., Jung, S., & Vanli, O. A. (2013), Bayesian approach for fatigue damage assessment of a bridge under gust, 12th Americas Conference on Wind Engineering (12ACWE), American Association for Wind Engineering, Seattle, Washington, USA, June 16-20 [*]

Vanli, O. A., & Jung, S. (2012), Statistical updating of finite element model with Lamb wave sensing data for structural damage detection, INFORMS Annual Meeting, Phoenix, AZ, USA, October 14-17

Jung, S., Vanli, O. A., & Kwon, S.-D. (2012), Wind energy potential assessment considering the uncertainty in wind speed data, Engineering Mechanics Institute 2012, American Society of Civil Engineers, Notre Dame, Indiana, USA, June 17-20 [*]