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## **JAMES D. GOEDERT, Ph.D., P.E., FNSPE**

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### **PROFESSIONAL PREPARATION**

University of Nebraska	Interdisciplinary Area of Business Administration	Ph.D.	1996
Indiana University	Business Administration	M.B.A.	1989
University of Nebraska	Construction Engineering Technology	B.S.	1983

### **APPOINTMENTS**

2015-2016	Peace Corps Response Volunteer-Tanzania-Professor Environmental Engineering-University of Dodoma
2013-Present	Professor Durham School of Architectural Engineering and Construction- University of Nebraska-Lincoln
2011-Present	Associate Professor Durham School of Architectural Engineering and Construction-University of Nebraska-Lincoln
2008-2010	Interim Director Research and Industry Outreach-University of Nebraska-Lincoln
2000-2008	Director of Construction Engineering and Management Programs – Omaha, University of Nebraska-Lincoln
1995-Present	Associate Professor Construction Systems Department, University of Nebraska-Lincoln
1989-1995	Assistant Professor Construction Systems Department, University of Nebraska – Lincoln
1986-1989	Project Manager, Health Quest Development Corp., South Bend, Indiana
1983-1986	Vice President/Project Manager, Foster Western Construction, Inc. Omaha, Nebraska
1974-1978	United States Marine Corps

### **FIVE CLOSELY RELATED PUBLICATIONS**

Goedert, J., Cory, B. (2015). A Framework for Small-Scale Construction Projects by NGOs in Developing Countries. *The Professional Constructor Journal*, 39 (2): 5-16.

Goedert, J., Liu, X., & Hemsath, T. (2014) Life Cycle Energy Analysis of Production Scale Residential Energy Efficient Features, *The Professional Constructor Journal*, 38 (1): 13-23.

Goedert, J.D. & Holmes, W. 2008. *New Orleans Plan Book*, Omaha, NE: U of NE Press.

Goedert, J. (2008) Rebuilding New Orleans with affordable, hurricane-resistant residential construction: Cityscapes. *HUD's Journal of Policy Development and Research*, 10(3):167-183.

Ruiz, F. & Goedert, J. (2007). An Overview of Challenges and Solutions Toward Improved, Low Cost Building Systems in the US. *Housing and Building Research Center Journal*, 5(3), 74-82.

## **FIVE OTHER SIGNIFICANT PUBLICATIONS**

Subramaniam, M., Chundi, P. & Goedert, J. (2015). Data-Driven Adaptive Learning Environment for Project-Based Construction Engineering, *Technology for Education and Learning*. In print

Goedert, J. & Sekpe, V., (2013) Decision Support System Enhanced Scheduling in Matrix Organizations Using Analytic Hierarch Process, *Journal of Engineering and Management*, 139(11): 05013003-1 to 10.

Hemsath, T.L., Goedert, J., Schwer, A.D., & Cho, Y.K. (2011), Zero Net Energy Test House. *Journal of Green Buildings*, 6(2): 36-48. Retrieved from doi: <http://dx.doi.org/10.3992/jgb.6.2.36>.

Goedert, J. & Meadati, P. (2008) Integrating building information modeling into construction process documentation. *ASCE Journal of Construction Engineering and Management*, 134(7): 09-516.

Goedert, J., Bonsell, J., & Samura, F. (2005) Integrating laser scanning and rapid prototyping to enhance construction modeling. *ASCE Journal of Architectural Engineering*, 11(2):71-74.

## **SYNERGISTIC ACTIVITIES**

PI Goedert has extensive experience in sustainable residential construction and construction methods and materials in developing countries. He recently returned from a year with the Peace Corps where he was assigned as a Professor in the Environmental Engineering Department where he taught construction methods and materials. He worked with local area partners in high efficiency residential designs (Goedert et al. 2014) for a project with the United States Department of Energy and was the PI and Project Manager for the design/build contract for a Zero Net Energy Test House (ZNETH) as a caretaker's cottage for the City of Omaha. He was PI for a grant through the Department of Housing and Urban Development to develop sustainable residential construction plans after the earth quake in New Orleans. His has particular interest in construction methods in developing countries (Goedert and Cory, 2015). He has worked extensively in Haiti; helped build a hospital in Mali; and has travelled to five other African countries. He has taught Construction Methods and Materials course at the University of Dodoma, Tanzania for the College of Environmental Sciences and Technology.

## **COLLABORATORS & OTHER AFFILIATIONS**

Dr. Asregedew Woldeesenbat, Assistant Professor, Durham School of Architectural Engineering and Construction, University of Nebraska-Lincoln

Dr. Martha H. Goedert, Assistant Professor, College of Public Health, University of Nebraska-Medical Center

Dr. Nate Bickford, Associate Professor, Department of Biology, University of Nebraska-Kearney DBA. Sonya Bickford, Visiting Assistant Professor, Department of Industrial Technology, University of Nebraska-Kearney

Dr. Mahmoud Alahmad, Associate Professor, Durham School of Architectural Engineering and Construction, University of Nebraska-Lincoln

Dr. Deepak Khazanchi, Information Science and Technology, University of Nebraska Omaha

Dr. Yong Cho, Associate Professor, Construction Engineering and Management, University of Nebraska-Lincoln

Dr. Mahadevan Subramaniam, Associate Professor, Computer Science, University of Nebraska Omaha

Dr. Haifeng Guo, Associate Professor, Computer Science, University of Nebraska Omaha