



Faculty Name: Rambod Rayegan **Work Address:** P.O. Box 519; MS 2525
Prairie View, TX 77446

Position Title: Assistant Professor

Office Location: Prairie View A&M University, Mechanical Eng. Dept., C.L. Wilson Eng. Bldg., Room 105B

Office Phone: 936-261-9964

Email Address: rarayegan@pvamu.edu

Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D., Mechanical Engineering	Florida International University, Miami, Florida	2011
	M.Sc., Mechanical Engineering	University of Tehran, Tehran, Iran	1998
	B.Sc., Mechanical Engineering	University of Tehran, Tehran, Iran	1996

Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Assistant Professor	Prairie View A&M University	Sept.2013-Present
	Visiting Assistant Professor	University of North Texas	Sept.2012-Aug. 2013
	Post-Doctoral Research Associate	University of North Texas	Jan.2012-Aug. 2012
	Teaching Assistant	Florida International University	Sept.2008-Sept.2009
	Lecturer and Senior Project Supervisor	Semnan University, Semnan, Iran	Sept.2001-Sept.2006
	Lecturer	Islamic Azad University, Semnan, Iran	Fall 2003
	Lecturer	Islamic Azad University, Karaj, Iran	Sept.2002-Sept.2003

Professional Publications: Tao, Y. X., Rayegan, R., Hasib, A.M.M., 2013, "A Review of International Research on Building-Scale Ecosystems," in Analytics for Building-Scale Sustainable Ecosystems (BSSE) – US-China Research Perspectives, Edited by: Y. X. Tao and Y. Jiang, Begell House, New York, Connecticut, USA, ISBN: 978-56700-264-5.

Tao, Y. X., Rayegan, R., 2011, "Solar Energy Applications and Comparisons," in Energy and Power Generation Handbook: Established and Emerging Technologies, Edited by: K.R. Rao, ASME Press, New York, USA, ISBN: 9780791859551.

Rayegan, R., Tao, Y. X., "Optimal Collector Type and Temperature in a Solar Organic Rankine Cycle (ORC) System for Building-Scale Power Generation in Hot and Humid Climate," ASME Transactions, Journal of Solar Energy Engineering, 2012; 135(1): 011012(1-9).

Rayegan, R., Tao, Y. X., "A Procedure to Select Working Fluids for Solar Organic Rankine Cycles (ORCs)," Renewable Energy, 2011; 36 (2): 659-670.

Zhu, Y., Rayegan, R., Tao, Y. X., "Case Study of Ground-Source Heat Pump Applications in Hot and Humid Climates", Journal of Architectural Engineering, 2015, 21(1): 05014006.

Zhu, Y., Tao, Y. X., Rayegan, R., "A Comparison of Deterministic and Probabilistic Life Cycle Cost Analyses of Ground Source Heat Pump (GSHP) Applications in Hot and Humid Climate," Energy and Buildings, 2012; 55:312–321.

Ming, T., Chen, D., Nahang Toudeshki, S., Talele, S., Checkettsm G.T., Hasib, N., Wicaksono C.,

Xiong, G., Qiu, Y. ,Peng, C, Mun, J., Rayegan, R., Tao, Y.X., “A Zero Energy Lab as a validation testbed: Concept, features, and performance”, International Journal of Hydrogen Energy, 2015; 40(37): 12854–12867

**Additional
Trainings/Skills:**

PI: “Learning by practice: Introducing a new building energy efficiency elective course and laboratory into the Mechanical Engineering undergraduate curriculum” NSF, Division of Undergraduate Education, Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR) (\$243,897) (9/1/2015-8/31/2017)

PI:, “Thermal Energy Storage for Building-Scale Solar Organic Rankine Cycles (ORCs)”, Prairie View A&M University, Office of Research & Graduate Studies, (\$20,000) (Summer 2016)