

YUPENG LUO, PH.D.

A. Professional Preparation

Hubei Polytechnic University	Wuhan, China	Civil Engineering	BECE	1999
University of Pittsburgh	Pittsburgh, PA	Civil Engineering	MSCE	2003
The Pennsylvania State University	State College, PA	Architectural Engineering	Ph.D.	2008

B. Appointments:

1.2016 – 3.2016	Visiting Scholar, Vanke Housing Industrialization Research Center, China
4.2016 – 5.2016	Visiting Scholar, Shenzhen Institute of Building Research (IBR) Co.Ltd, China
8.2014 – Present	Associate Professor, Construction Management Program, Lyles College of Engineering, California State University, Fresno
8.2008 – 8.2014	Assistant Professor, Construction Management Program, Lyles College of Engineering, California State University, Fresno
8.1999 – 1.2001	Assistant Project Engineer, China Construction Third Engineering Bureau, China

C. Publications:

i. Five related publications

- Luo, Y.**, Polgar, S., and Wu, W. (2019). "Design for Homeless (DfH): A capstone experience" Proceedings of 126th ASEE Annual Conference & Exposition, Tampa, FL.
- Luo, Y.** and Chhabda, J. (2018). "Design and Implementation of a Virtual Lab in an Engineering Laboratory Course", Proceedings of the 54th Annual Associated Schools of Construction (ASC) International Conference, Minneapolis, MN.
- Bagdasarov, Z., **Luo, Y.**, and Wu, W. (2017). "The Influence of Tablet-Based Technology on the Development of Communication and Critical Thinking Skills: An Interdisciplinary Study." Journal of Research on Technology in Education, 49(1-2), 55-72.
- Luo, Y.** and Wu, W. (2015) "Sustainable Design with BIM Facilitation in Project-based Learning", Proceedings of the 2015 International Conference on Sustainable Design, Engineering and Construction, Chicago, IL.
- Luo, Y.** Crask, L. Dyson, A., Zoghi, M., and Hyatt, B. (2011) "The Eco-Village Experience at California State University, Fresno: An Integrated Approach to Service-Learning", Metropolitan Universities Journal, 21(3), 16-26.

i. Five other significant publications

- Wu, W., Tesei, A., Ayer, S. K., London, J., **Luo, Y.**, and Gunji, V. (2018). "Closing the Skills Gap: Construction and Engineering Education Using Mixed Reality – A Case Study." Proc., 2018 IEEE Frontiers in Education Conference, IEEE, 1-5.

- Wu, W. and **Luo, Y.** (2016). "Pedagogy and assessment of student learning in BIM and sustainable design and construction", Journal of Information Technology in Construction, Special issue: 9th AiC BIM Academic Symposium & Job Task Analysis Review Conference, Vol. 21, pg. 218-232, <http://www.itcon.org/2016/15>.
- Chen, G. and **Luo, Y.** (2016). "A BIM and Ontology-based Intelligent Application Framework", Proceedings of the 2016 IEEE Advanced Information Management, Communicates, Electronic and Automation Control Conference, Xi'an, China.
- Luo, Y.**, Wu, W., and Bagdasarov, Z. (2016). "Students' Perceptions of Tablet-Enhanced Learning Environment on the Development of Communication and Critical Thinking Skills: An Interdisciplinary Study", Proceedings of 123rd ASCE Annual Conference & Exposition, New Orleans, LA.
- Luo, Y.** (2014), "A Collaborative Learning Community on Service-learning in Energy Conservation and Efficiency", Proceedings of the Annual Conference of ASCE Construction Research Congress: Construction in a Global Network, Atlanta, GA.

D. Synergistic Activities

1. I am the Principal Investigator (2019-2020) for a Lab Innovations with Technology (LIT) grant to develop an enhanced Virtual Field Trip (VFT) solution with multi-user virtual reality technology deployed over a cloud-based open platform to facilitate experiential learning experience. LIT is a California State University system initiative to reduce enrollment bottleneck courses for students using innovative online, remote web-based, and lab kit technologies.
2. I was the leading faculty of the Fresno State Tiny House Team in 2016. The team designed and built a fully functional off-grid tiny house for "The Tiny House Competition – Build Small and Win Big" put on by the Sacramento Municipal Utility District (SMUD).
3. I was the Principal Investigator (2016-2017) for "Course Redesign with Technology (CRT) - Virtual Lab grant. CRT is a California State University system initiative to promote student learning engagement and improve student learning outcome with innovative educational technology.
4. I was a Visiting scholar at two research companies in China: the Shenzhen Institute of Building Research (IBR) Co. Ltd. and the Vanke Residential Industrialization Research Base (2016). At IBR I worked with their research team on the carbon monitoring platform development project for the Shenzhen International Low Carbon City. In Vanke I helped develop a green residential building best practice manual for the company's internal use.
5. I was the Co-Principle Investigator (2015 – 2016) of a Fresno State Office of Institutional Effectiveness Assessment Grant. For this grant, I collaborated with faculty from Construction Management and Business Management to assess student communication and critical thinking skills in a collaborative tablet-based learning environment using an Interdisciplinary approach.