

Anh D. (Andy) Chau, Ph.D., PMP, EIT

EDUCATION

The University of Alabama, Tuscaloosa, Alabama PhD , Civil Engineering, GPA: 4.0/4.0 <ul style="list-style-type: none">• Specialty: Construction and Project Management• Dissertation: “Conceptual Cost Estimation Decision Support System in University Construction Projects”	Dec 2018
MS , Civil Engineering, GPA: 4.0/4.0 <ul style="list-style-type: none">• Specialty: Construction and Project Management	Dec 2016
Bach Khoa University, Ho Chi Minh, Vietnam BEng , Civil Engineering, GPA: 7.58/10	Apr 2014

PROFESSIONAL CERTIFICATION

Engineer in Training (EIT). License Number: 1100024163. Board: Florida
Project Management Professional (PMP). License Number: 2923832. Expiration: 2023
LEED Green Associate. License Number: 0011345989. Expiration:2023
Certified Associate in Project Management (CAPM-PMI). License Number: 2051338. Expiration: 2022

TEACHING EXPERIENCE

The University of Florida

Instructor of Record

Civil Engineering Operation I (graduate level): Spring 2021

Civil Engineering Estimating (undergraduate level): Spring 2021, Fall 2019

Special Problems in Civil Engineering (undergraduate level): Spring 2019

The University of Alabama

Graduate Teaching Assistant

Construction Scheduling (undergraduate and graduate levels): Fall 2018

TEACHING PROFESSIONAL DEVELOPMENT

2021, ASCE ExCEED Teaching Workshop, July 2021

2020, National Effective Teaching Institute (NETI-3) for Online Instruction, June 2020

2019, Teaching TechXploration Event, University of Florida, November 2019

2017, International Teaching Assistant Program (ITAP) (received full passes on 2 teaching exams)

2016, Workshop for New Graduate Teaching Assistants, University of Alabama, August 2016

RESEARCH AND PROFESSIONAL EXPERIENCE

The University of Florida

Civil and Coastal Engineering Department

Feb 2018–Present

Simmons Research Lab

Postdoctoral Associate

- Investigate the professional formation of engineers (focusing on civil engineers), models that promote diversity, inclusion, satisfaction, affective engagement in work, and personal resilience.

The University of Alabama

Jan 2016–Dec 2018

Civil, Construction, and Environmental Engineering Department

Graduate Research Assistant

- Investigated application of big data analytics in construction.
- Developed decision support systems for construction cost estimation.

Dong Thap Province Rural Development and Agriculture Department, Vietnam

Apr–Dec 2014

Project Manager

- Worked in the Mekong Delta integrated climate resilience and sustainable livelihoods project in Dong Thap province.
- Collaborated with World Bank in preparing investment documents.

Mechanical Construction Services Joint-Stock Company No. 9, Vietnam

Jun–Jul 2013

Site Engineer (Internship)

- Monitored site activities and provided site supervision.

One-member Design & Consultant Co., Ltd., Vietnam.

May–Jun 2013

Assistant Architect (Internship)

- Developed construction drawings.

PUBLICATIONS

Journal Articles

Polmear, M., **Chau, A. D.**, and Simmons, D. R. (2021). Intersection of diversity, out-of-class engagement, and engineer of 2020 outcomes for civil engineering students. *Journal of Management in Engineering*, 37(4), 04021019. [https://doi.org/10.1061/\(ASCE\)ME.1943-5479.0000901](https://doi.org/10.1061/(ASCE)ME.1943-5479.0000901)

Polmear, M., **Chau, A. D.**, and Simmons, D. R. (2020). Ethics as an outcome of out-of-class engagement across diverse groups of engineering students. *Australasian Journal of Engineering Education*. <https://doi.org/10.1080/22054952.2020.1836752>

Moynihan, G. P. and **Chau, A. D.** (2019). Application of decision support technology for conceptual cost estimation. *Engineering Management Research*, 8(2), pp. 30–41. <https://doi.org/10.5539/emr.v8n2p30>

Simmons, D. R., and **Chau, A. D.** (in print). Factors that predict participation in out-of-class activities for STEM students. *Journal of STEM Education*.

Conference Proceedings

Chau, A. D., Hoang, H. T., Nguyen, L. D., and Le-Hoai, L. (in press). Construction of Rigid Pavement in Emerging Economies: Challenges and Opportunities. Canadian Society for Civil Engineering 2021 Annual Conference, May 26-29, 2021.

Simmons, D. R. and **Chau, A. D.** (2020). The impact of fraternity and sorority participation on NAE's engineer of 2020 outcomes for civil engineering undergraduates. Proceedings of the 11th International Conference on Applied Human Factors and Ergonomics (AHFE 2017) and the Affiliated Conferences, 2020. San Diego, CA. https://doi.org/10.1007/978-3-030-51057-2_43

Moynihan, G. P. and **Chau, A. D.** (2019). Conceptual Cost Estimation DSS for University Construction Projects. *Proceedings of the 2019 Industrial and Systems Engineering Research Conference (ISERC 2019)*, Orlando, FL, May 18–21, 2019.

Chau, A. D., Moynihan, G. P., and Vereen, S. P. (2018). Design of a Conceptual Cost Estimation Decision Support System for Public University Construction. *Construction Research Congress 2018*, Baton Rouge, LA. <https://doi.org/10.1061/9780784481295.063>

Moynihan, G. P., **Chau, A. D.**, Vereen, S., and Batson, R. G. (2017). Application of Big Data in University Construction Projects. *Proceedings of the 2017 Industrial and Systems Engineering Research Conference* (K. Coperich, E. Cudney and H. Nembhard, eds.), Pittsburgh, PA, May 20–23.

Research Reports

Lu, J., Bowman, B., **Chau, A. D.**, & Simmons, D. R. (2020). Decision support system for engineering undergraduates on participating in out-of-class activities, University of Florida, <https://github.com/simmonsData/simmonsDataVis2>

Liou, A., Zundel, Z., Suhr, J., Lu, J., Bowman, B., **Chau, A. D.**, & Simmons, D. R. (2019). The development of a data visualization system for out-of-class activities data of engineering students, University of Florida, <https://github.com/introNG2E/simmonsDataVis>

Poster

Simmons, D. R. & **Chau, A. D.** (2019). CAREER: Investigating co-curricular participation of students underrepresented in engineering, *NSF EEC Grantees Conference*, Arlington, VA, October 21–23, 2019.

Simmons, D. R. & **Chau, A. D.** (2019). Preparing a 21st century STEM workforce: Defining & measuring leadership in civil engineering education, *NSF EEC Grantees Conference*, Arlington, VA, October 21–23, 2019.

SERVICE

Professional Service

Reviewer: Studies in Educational Evaluation, Journal of STEM Education, Journal of Management in Engineering, Journal of Civil Engineering and Management, Construction Research Congress 2020, ASEE Annual Conference 2020.

Member: ASCE, ASEE, PMI.

Department Service:

Graduate Recruitment: Simmons, D. R., Tran, K, & **Chau, A. D.** How to Apply for Doctoral Study in the USA (emphasized the University of Florida): Preparations and recommendations for Vietnamese applicants. Ho Chi Minh, Da Nang and Ha Noi, Vietnam, Fall 2019

Undergraduate Recruitment: **Chau, A. D.** Bach Khoa University Admission Consulting Program: Recruit undergraduate students for Bach Khoa University, Fall 2013

Provided Mentorship for:

Benyamin Sadeghi, PhD, University of Florida.

Alex Liou, undergraduate, University of Florida.

Ivan Zundel, undergraduate, University of Florida.

Juan Suhr, undergraduate, University of Florida.

Joey Lu, undergraduate, University of Florida.

Blaise Bowman, undergraduate, University of Florida.

AWARDS AND HONORS

The University of Alabama.

- Fellowship of Construction Administration Department 2016–2018

Bach Khoa University

- Unicons LLC, Outstanding students. 2013