

Dean Papajohn, Associate Professor of Practice
Department of Civil & Architectural Engineering and Mechanics
University of Arizona

EDUCATION

Ph.D. – Civil Engineering, Arizona State University, 2019

Dissertation: Contract administration functions and tools for design-build and construction manager/general contractor project delivery in U.S. highway construction

M.S. – Civil Engineering, University of Illinois at Urbana-Champaign (UIUC), 2004

M.A. – English, Iowa State University, 1994

B.S. – Civil Engineering, University of Illinois at Urbana-Champaign (UIUC), 1985

ACADEMIC EXPERIENCE

Date of appointment to Associate Professor of Practice: August 2015 (full-time)

Date of appointment to Adjunct Faculty: August 2012

2009-2011, Adjunct Faculty, Pima Community College, Tucson, AZ (part-time)

1994-2005, Teaching Associate & Specialist in Education, University of Illinois, Urbana-Champaign (full-time)

NON-ACADEMIC EXPERIENCE

2005-2015, Civil Engineering Manager, Pima County Department of Transportation, Tucson, AZ

1986-1992, Project Engineer, Daniel Creaney Company, Northbrook, IL

CERTIFICATIONS AND PROFESSIONAL REGISTRATIONS

State of Arizona, Professional Engineer, License 43928

State of Illinois, Professional Engineer, License 062-046141

Design-Build Institute of America, Associate

Institute of Sustainable Infrastructure, Envision Sustainability Professional

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers (ASCE)

Design-Build Institute of America (DBIA)

Arizona Builders Alliance (ABA)

The Beavers Heavy Engineering Construction Association, faculty member

HONORS AND AWARDS

2020, Tau Beta Pi McDonald Mentor Award

2020, Professor of the Year Award, Civil & Architectural Engineering and Mechanics, University of Arizona

2020, Senior's Choice Professor Award, Civil & Architectural Engineering and Mechanics, University of Arizona

2019, Outstanding Reviewer Award, ASCE Journal of Management in Engineering

2019, Professor of the Year Award, Civil & Architectural Engineering and Mechanics, University of Arizona

2019, Senior's Choice Professor Award, Civil & Architectural Engineering and Mechanics, University of Arizona

2018, Diversity Award, Southern Arizona Women in Transportation Seminar (WTS)

2018, Professor of the Year Award, Civil & Architectural Engineering and Mechanics, University of Arizona

2018, Senior's Choice Professor Award, Civil & Architectural Engineering and Mechanics, University of Arizona

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2018, Post-Secondary Educator of the Year award, American Society of Civil Engineers-Southern Arizona
2018, Blue Chip Faculty Mentor Award, University of Arizona
2017, Outstanding Reviewer Award, ASCE Journal of Management in Engineering
2017, Professor of the Year Award, Civil Engineering & Engineering Mechanics, University of Arizona
2017, Senior's Choice Professor Award, Civil Engineering & Engineering Mechanics, University of Arizona
2016, Professor of the Year Award, Civil Engineering & Engineering Mechanics, University of Arizona
2015, Senior's Choice Professor Award, Civil Engineering & Engineering Mechanics, University of Arizona
2015, Metropolitan Pima Alliance Common Ground Award of Distinction, Aerospace Parkway project
2015, Arizona Transportation Partnering Excellence Award, La Cholla Boulevard: Magee Road to Overton Road project
2015, International Partnering Institute Award, La Cholla Boulevard: Magee Road to Overton Road project
2015, Associated General Contractors Arizona Award, La Cholla Boulevard: Magee Road to Overton Road project
2015, Southern Arizona APWA Award, La Cholla Boulevard: Magee Road to Overton Road project
2015, PAG Timothy Ahrens Partnering Award, La Cholla Boulevard: Magee Road to Overton Road project
2008, Arizona Transportation Partnering Excellence Award, Valencia Road: Mark Road to Camino De La Tierra project

SERVICE ACTIVITIES

2020, Committee member, Academic Program Coordinator Search Committee, Civil & Architectural Engineering and Engineering Mechanics, University of Arizona
2020, Committee member, Faculty Search Committee, Civil & Architectural Engineering and Engineering Mechanics, University of Arizona
2019-2021, Committee member, Undergraduate Outreach Committee, Civil & Architectural Engineering and Engineering Mechanics, University of Arizona
2018-2021, Rise Together Mentorship, mentoring program for women in Civil & Architectural Engineering and Mechanics, University of Arizona
2019 Promotion Committee for Career Track Faculty, College of Engineering
2018, Search Committee for Associate Dean of Faculty Affairs, College of Engineering, University of Arizona
2018-2020, Committee member, Scholarship Committee, Civil & Architectural Engineering and Engineering Mechanics, University of Arizona
2018-2021, Faculty advisor, University of Arizona Chapter of the Associated General Contractors
2017-2021, Faculty advisor for student teams for Associated Schools of Construction Region 6 competition
2017-2021, Arizona Builders Alliance, member
2016-2021, Faculty advisor, University of Arizona Chapter of the Design-Build Institute of America
2015-2021, Committee member, Undergraduate Studies Committee, Civil & Architectural Engineering and Engineering Mechanics, University of Arizona
2011-2021, Member, Alumni Industry Council (AIC), Civil & Architectural Engineering and Mechanics, University of Arizona
2006-2021, Editorial board member, ASCE Journal of Management in Engineering
2016-2017, Judge, Partnering Awards, International Partnering Institute (IPI)
2015, Judge, ASCE Pacific Southwest Conference (PSWC)

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2016-2021, Board member, S. Arizona Construction Career Days, Arizona Transportation Builders (ATB)
2014-2021, Committee member, S. Arizona Construction Career Days, ATB
2014, 2017, Facilitator, ASCE PE Exam – Construction Management review class

PUBLICATIONS/PRESENTATIONS

1. Papajohn, D., and El Asmar, M., (2021). Impact of alternative delivery on potential delays from request for information for highway projects. *Journal of Management in Engineering*, 10.1061/(ASCE)ME.1943-5479.0000866.
2. Molenaar, K.R., El Asmar, Papajohn, D., and Therrien, A. (2020). *A guidebook for post-award contract administration for highway projects delivered using design-build delivery*, NCHRP 08-104, Transportation Research Board of the National Academies, Wash. D.C.
3. Molenaar, K.R., El Asmar, Papajohn, D., and Therrien, A. (2020). *A guidebook for post-award contract administration for highway projects delivered using construction manager/general contractor delivery*, NCHRP 08-104, Transportation Research Board of the National Academies, Wash. D.C.
4. Molenaar, K.R., El Asmar, Papajohn, D., Therrien, A. and Sheeran, K. (2020). *Post-award contract administration for highway projects delivered using alternative contracting methods*, NCHRP 08-104 Research Report, Transportation Research Board of the National Academies, Wash. D.C.
5. Alleman, D., Stanford, M.S., Papajohn, D., Jobidon, G. and Molenaar K.R. (2020). Characteristics of stipends and their value-adding potential in design-build US highway construction. *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, 10.1061/(ASCE)LA.1943-4170.0000388.
6. Papajohn, D. and El Asmar, M. (2020). Percent base design and initial award performance in design-build highway projects. *Journal of Management in Engineering*, 10.1061/(ASCE)ME.1943-5479.0000759.
7. Papajohn, D., El Asmar, M., Molenaar, K.R., and Alleman, D. (2019). Comparing contract administration functions for alternative and traditional delivery of highway projects. *Journal of Management in Engineering*, 10.1061/(ASCE)ME.1943-5479.0000727.
8. Papajohn, D., El Asmar, M., and Molenaar, K.R. (2019). Tools for highway contract administration of design-build and construction manager/general contractor. *Journal of Management in Engineering*, 10.1061/(ASCE)ME.1943-5479.0000718.
9. Papajohn, D. Alleman, D., El Asmar, M., Molenaar, K. (2018). Exploring potential delays associated with requests for information in CM/GC highway construction, *Conference Proceedings of the Construction Research Conference*, New Orleans, LA.
10. Alleman, D., Antoine, A., Papajohn, D., and Molenaar, K. (2017). Desired versus realized benefits of alternative contracting methods on extreme value highway projects, *Conference Proceedings from Resilient Structures and Sustainable Construction*, ISEC Press.
11. Alleman, D., Papajohn, D., Gransberg, D., El Asmar, M., and Molenaar, K. (2017). Exploration of early work packaging in construction manager/general contractor highway projects. *Transportation Research Record: Journal of the Transportation Research Board*, No. 2630, DOI 10.3141/2630-09.
12. Papajohn, D., Brinker, C., and El Asmar, M. (2016). Metaframework for assessment of sustainability ratings for buildings and infrastructure. *Journal of Management in Engineering*, 10.1061/(ASCE)ME.1943-5479.0000478.
13. Papajohn, D., El Asmar, M., and Brinker, C. (2016). Uncovering key criteria to assess sustainability rating systems for the built environment. *Conference Proceedings of the Construction Research Conference*, San Juan, Puerto Rico.

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14. Papajohn, D., Cui, Q., and Bayraktar, M.E. (2011). Public private partnerships in U.S. transportation: A research overview and path forward. *Journal of Management in Engineering*. Jul 2011, Vol. 27, No. 3, pp. 126-135.

RECENT PROFESSIONAL DEVELOPMENT ACTIVITIES

- Jan. 6-8, 2021 Master Class on Effective Teaching (12 hours), American Society for Engineering Education
2020, Sustainable Infrastructure and the Role of Envision, Institute of Sustainable Infrastructure
2020, Lessons Learned from Envision v2, Institute of Sustainable Infrastructure
2020, Remote pilot certificate
May 17, 2020, Foundations in Lean Construction, Certificate of completion from Associated General Contractors
April 9, 2020, University of Arizona Panel Discussion: Adaptation and Best Practices for On-line Teaching, Andrea Romero, Vice Provost for Faculty Affairs
Mar. 2020, Construction Research Congress 2020, Session Chair on Infrastructure Systems & Sustainability
Mar. 2020, University of Arizona Office of Instruction and Assessment, webinars on instructional technologies with Zoom, Panapto, and Assessment
Dec. 2019, Envision V3 Training Modules, Institute of Sustainable Infrastructure
Jan. 29, 2020, Envision Platinum-Two Large Scale Wastewater Infrastructure Projects, Institute of Sustainable Infrastructure
Jan. 14, 2020, Ship Canal Water Quality Project, Institute of Sustainable Infrastructure
Dec. 18, 2019, Strengthening NYC DEP's Sustainability through Programmatic Application of Envision, Institute of Sustainable Infrastructure
Dec. 4, 2019, Envision the Westminster Way, Institute of Sustainable Infrastructure
Sept. 2019– May 2020, UA Learning Initiative Faculty Learning Community
Sept. 6, 2019, Teaching Distracted Minds, UA Faculty Workshop, James Lang
Mar. 27, 2019, Oracle Primavera Practice in the Classroom, Webinar, John Buttelwerth
Feb. 7, 2019, Associated Schools of Construction, Faculty Workshops, Reno, NV
Oct. 17, 2018, Better Retention Through Simple Asset-Based Teaching, Paul Blowers, University of Arizona
April 2018, Design for Learning: Making Courses and Class Session More Productive, Tom Angelo, at the University of Arizona
Feb. 8, 2018, Associated Schools of Construction, Faculty Workshops, Reno, NV
Dec. 2017, Using Research to Improve University Science Teaching, Carl Wieman, at the University of Arizona
Dec. 7, 2017, Flipping the Classroom and Other Techniques to Improve Teaching, Inside Higher Ed webinar.
Nov. 2017, Quality Matters Certification, Independent Applying the QM Rubric (APPQMR)
Nov. 2017, Club Advisor Training, University of Arizona
2017, Engineering Faculty Learning Circle, University of Arizona
June 2017, Building a Stronger Curriculum with Kiewit, Kiewit Corporation
2015-2016, College of Engineering Faculty Orientation, University of Arizona
Sept. 2016, Introduction to the Responsible Conduct of Research, University of Arizona
June 2016, Construction Research Conference, San Juan, Puerto Rico
Spring 2016, CON551 Alternative Project Delivery Methods, Arizona State University
Fall 2015, Effective Teaching Practices, 5 modules in 5 weeks, Association of College and University Educators (ACUE)
Oct. 2015, Making the Most of Faculty Mentoring workshop, University of Arizona
Oct. 2015, New Faculty Proposal Preparation workshop, College of Engineering, University of Arizona
Sept. 2015, Publish, Not Perish workshop, University of Arizona

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Sept. 2015, Resources to Support Your Research workshop, University of Arizona

Aug. 2015, How Can I Use the D2L Gradebook Effectively? Workshop, Office of Instructional Assessment, University of Arizona

Aug. 2015, Faculty Orientation, University of Arizona

Aug. 2015, Design-Build Educators Workshop Scholarship, Design-Build Institute of America, Denver, CO

April 2011-2017, Arizona Roads & Streets Conference, Tucson, AZ