

AMY JAVERNICK-WILL, Ph.D.

Professor

Nicholas R. and Nancy D. Petry Professor in Construction Engineering and Management

Department of Civil, Environmental, and Architectural Engineering

University of Colorado—Boulder

UCB 428, ECOT 512

1111 Engineering Drive

Boulder, CO 80309-0428

(303) 492-6769

amy.javernick@colorado.edu

www.projectorganizations.com

ACADEMIC BACKGROUND

- Ph.D. (2009) Civil Engineering, Stanford University
Construction Engineering and Management Program
Dissertation: *Mobilizing Institutional Knowledge for International Projects: The Relative Importance, Acquisition, and Transfer of Institutional Knowledge for International Firms*
Advisor: Dr. Raymond Levitt
- M.S. (2001) Civil Engineering, Construction Engineering and Management, University of Colorado at Boulder
- B.S. (1999) Civil Engineering, University of Colorado at Boulder

PROFESSIONAL EXPERIENCE

- Professor Dept. of Civil, Environmental, and Architectural Engineering
2021 – Present University of Colorado at Boulder
- Associate Professor Dept. of Civil, Environmental, and Architectural Engineering
2016 – Present University of Colorado at Boulder
- Assistant Professor Dept. of Civil, Environmental, and Architectural Engineering
2010 – 2016 University of Colorado at Boulder
- Research Assistant Dept. of Civil and Environmental Engineering
2006 – 2009 Stanford University, Stanford, CA
- Project Manager Opus Northwest, L.L.C.
2005 – 2006 Denver, Colorado
- Ast Project Manager Opus Northwest, L.L.C.
2001 – 2004 Denver, Colorado
- Project Engineer Neenan Company
2000 – 2001 Fort Collins, Colorado

Teaching Assistant Department of Civil, Environmental and Architectural Engineering
2000 University of Colorado at Boulder, Boulder, CO

Project Engineer Turner Construction Company
1999 Denver, Colorado

PRIMARY AREAS OF INTEREST

Disaster Recovery, Resiliency, and Risk Reduction; Social Sustainability of Infrastructure, Knowledge Mobilization

MERIT-BASED AWARDS AND HONORS

American Society of Civil Engineering (ASCE) Journal of Management in Engineering Best Peer Reviewed Paper Award (2021)

Outstanding Teacher Award, Department of Civil, Environmental, and Architectural Engineering, University of Colorado—Boulder (2021)

College of Engineering and Applied Science, University of Colorado, Top 20 Research Performer (out of 182 full time faculty) (2018)

American Society of Civil Engineering (ASCE) Daniel W. Halpin Award for Scholarship in Construction (2018)

Outstanding Service Award, Department of Civil, Environmental, and Architectural Engineering, University of Colorado—Boulder (2018)

College of Engineering and Applied Science, University of Colorado, Top 20 Research Performer (2017)

NSF Fellowship to attend Coastlines & People Workshop- San Diego, CA (2018)

NSF Fellowship to attend Research in Engineering Practice Workshop- San Jose, CA (2018)

Best Presentation Award, Engineering Project Organizations Conference (EPOC) (2018)*

Distinguished Professor Award, Construction Industry Institute (2016)

Best Paper Award, Engineering Project Organizations Conference (2016)

Best Paper Award, Engineering Project Organizations Conference (2015)

Outstanding Undergraduate Research Mentor, University of Colorado-Boulder (2015)

Honorary Commended Paper, International Journal of Disaster Resilience in the Built Environment (2014)

Nicholas R. and Nancy D. Petry Professor in Construction Engineering and Management (2014-current)

American Society of Civil Engineering (ASCE) Excellence in Civil Engineering Education (ExCEED) New Faculty Excellence in Teaching Award (2014)

Outstanding Advisor, College of Engineering and Applied Science, University of Colorado—Boulder (2014)

Young Researcher Award, Department of Civil, Environmental, and Architectural Engineering, University of Colorado—Boulder (2014)

National Science Foundation (NSF) Fellowship to attend and present at “NSF proceedings for North America East Asia For Big Data on ISBR” in Beijing, China (2014)

NSF Fellowship to attend “IDEAS Lab: Social inequality in Engineering Education” (2014)

NAE 12-member panel for the project entitled “Understand the Engineering Education—Workforce Continuum” (2013-2018)

Best Paper Award, Engineering Project Organizations Conference (EPOC) Conference (2012)

Best Paper Award for Disaster Tracks at Construction Research Congress (CRC) Conference (International Journal of Disaster Resilience in the Built Environment) (2012)

Construction Engineering and Management (CEM) Faculty Fellow (2012-2014)

Engineering News Record (ENR) Top 20 under 40, Mountain States Region (2012)

NSF Fellowship to participate in the CAREER award session (2011)

Selected to the University of Colorado’s President’s Teaching and Learning Collaborative (2011)

Best Presentation Award, Engineering Project Organizations Conference (EPOC) (2011)

University of Colorado Boulder ‘Women Who Make a Difference Award’ (2010)

NSF Travel Fellowship to Attend Virginia Tech Construction Engineering Conference (2010)

American Society of Civil Engineering ExCEEEd (Excellence in Civil Engineering Education) Teaching Fellowship (2010)

Barry Faculty Fellowship (2010-2012)

Best Paper Award, EPOC Conference (2009)

NSF Graduate Student Conference Travel Award (2009)

Stanford Graduate Fellowship, Gabilian Fellowship (2007-2009)

Stanford University - Clarkson Oglesby Fellowship (2006-2007)

Nominee for CREW (Commercial Real Estate Women) Denver’s annual award, “Woman of Influence” (2006)

MOA Architecture’s Outstanding Construction Project Management Team for University Physicians Incorporated (UPI) (2003-2004)

Clarence Eckel Award - Top December 1999 graduate from the Civil, Environmental, and Architectural Engineering Department at the University of Colorado, Boulder (1999)

BOOKS AND BOOK CHAPTERS

- [B3] Jordan, E. and **A. Javernick-Will** (2015). "Pathways to Livelihood Recovery: a Study of Tsunami-Affected Communities in Tamil Nadu, India," in Michèle Companion, ed. *Disasters' Impact on Livelihood and Cultural Survival: Losses, Opportunities, and Mitigation*. Boca Raton, FL: CRC Press. Chapter 13.
- [B2] **Javernick-Will, A.** and W. Richard Scott (2011). "Who Needs to Know What?: Institutional Knowledge and Global Projects" in *Global Projects : Institutional and Political Challenges*, Cambridge University Press. Chapter 7. pp. 249-275

- [B1] **Javernick-Will, A.** and T. Hartmann (2011). “Knowledge Management in Global Environments” in: *Organization Management in Construction*, Chinowsky, P. and Songer, T. Eds. Taylor and Francis New York, NY. Chapter 3 pp. 23-40.

PEER-REVIEWED JOURNAL ARTICLES PUBLISHED

Underline Denotes Javernick-Will’s student advisee (Primary Advisor)

*Denotes student Javernick-Will advised (non-primary advisor)

†Denotes Javernick-Will’s PhD Advisor

Authorship position closer to the first author indicates greater contribution.

- [J96] Cord, C., **Javernick-Will, A.**, Buhungiro, E., Harvey, A., K. Linden. Institutional impacts on local government support: enabling professionalized maintenance of water supply infrastructure in rural Africa (2022). *PLOS Water*. 10.1371/journal.pwat.0000003
- [J95] Lochhead, M., Goldwyn, B., Venable, C., Liel, A., and **A. Javernick-Will**. (2022). Assessment of hurricane wind performance and potential design modifications for informally constructed housing in Puerto Rico. *Natural Hazards*. 10.1007/s11069-022-05222-0
- [J94] Palagi Bodine, S., Tracy, A., and **A. Javernick-Will** (2022). “Questioning the effectiveness of risk reduction via post-disaster relocation” *International Journal of Disaster Risk Reduction*. 10.1016/j.ijdrr.2022.102834
- [J93] Goldwyn, B., **Javernick-Will, A.**, and A. Liel (2022). “Multi-hazard housing safety perceptions of those involved with housing construction in Puerto Rico” *Sustainability*. 10.3390/su14073802
- [J92] Walters, J., Valcourt, N., **Javernick-Will, A.**, and K. Linden. (2022). “Sector Perspectives on the Attributes of a Systems Approach to Water, Sanitation and Hygiene Service Delivery”. *Journal of Environmental Engineering*. 10.1061/(ASCE)EE.1943-7870.0002010
- [J91] Pugel, K., **Javernick-Will, A.**, Mussa, M., Mekonta, L., Dimtse, D., Watsisi, M., Huston, A., and K. Linden (2022). “Pathways for securing government commitment for activities of collaborative approaches.” *Journal of Water, Sanitation, and Hygiene for Development*. c
- [J90] Cord, C., **Javernick-Will, A.**, Buhungiro, E., Harvey, A., Jordan, E., Lockwood, H., and K. Linden. (2022). “Pathways to consumer demand and payment for professional rural water infrastructure maintenance across low-income contexts.” *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2021.152906>
- [J89] Pugel, K., **Javernick-Will, A.**, Peabody, S., Nyaga, C., Mussa, M., Mekonta, L., Dimtse, D., Watsisi, M., Buhungiro, E., Mulatu, T., Annis, J., Jordan, E., Sandifer, E., Linden, K., (2022). Pathways for collaboratively strengthening water and sanitation systems. *Science of The Total Environment* 149854. 10.1016/j.scitotenv.2021.149854
- [J88] Goldwyn, B., **Javernick-Will, A.**, and A. Liel (2021). “The Dilemma of the Tropics: Changes to Housing Safety Perceptions, Preferences, and Priorities in Multi-Hazard Environments”. *Natural Hazards Review* 22(3). 10.1061/(ASCE)NH.1527-6996.0000457.

- [J87] Venable, C., Liel, A., Kijewski-Correa, T., and A. Javernick-Will (2021). "Wind Performance Assessment of Post-Disaster Housing in the Philippines". *Natural Hazards Review* 22(4). [https://doi.org/10.1061/\(ASCE\)NH.1527-6996.0000491](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000491).
- [J86] Tracy, A., Javernick-Will, A., and C. Torres-Machi (2021). "Techna or Natural? Factors influencing perceptions of actions to be taken in response to seismicity". *International Journal of Disaster Risk Reduction* 57(15). <https://doi.org/10.1016/j.ijdr.2021.102186>.
- [J85] Harper, J., Bielefeldt, A., Javernick-Will, A., Dickinson, K., Veasna, T., Kozole, T., and C. Nicoletti (2021). "Household Preferences for Rural Fecal Sludge Management Services in Cambodia: A Discrete Choice Experiment." *Environmental Science & Technology* 55(3). <https://doi.org/10.1021/acs.est.0c04636>.
- [J84] Thomas, E., Salvinelli, C., Harper, J., MacDonald, L., Klees, R., Platais, G., Javernick-Will, A., Linden, K. (2021). "A Body of Knowledge and Pedagogy for Global Engineering". *International Journal for Service Learning in Engineering, Humanitarian Engineering and Social Entrepreneurship* 16(1). <https://doi.org/10.24908/ijlsle.v16i1.14483>
- [J83] Opdyke, A., Goldwyn, B., and A. Javernick-Will (2021). "Defining a Humanitarian Shelter and Settlements Research Agenda". *International Journal of Disaster Risk Reduction*. <https://doi.org/10.1016/j.ijdr.2020.101950>.
- [J82] Venable, C., Javernick-Will, A., Liel, A., and M. Koschmann (2021). "Revealing (Mis)Alignments Between Comparing Household Perceptions and Engineering Assessments of Post-Disaster Housing Safety in Typhoons". *International Journal of Disaster Risk Reduction*. 53. <https://doi.org/10.1016/j.ijdr.2020.101976>
- [J81] Poleacovschi, C., Javernick-Will, A., Wang, S., T. Tong (2021). "Gendered Knowledge Accessibility: Evaluating the role of gender in the process of knowledge seeking". *Journal of Management in Engineering*. 37(1). [10.1061/%28ASCE%29ME.1943-5479.0000865](https://doi.org/10.1061/%28ASCE%29ME.1943-5479.0000865).¹
- [J80] Valcourt, N., Walters, J., Javernick-Will, A., and K. Linden (2020). "Assessing the efficacy of a group model building workshop in an applied setting through purposive text analysis". *System Dynamics Review*. 26(2). [10.1002/sdr.1657](https://doi.org/10.1002/sdr.1657).
- [J79] Tracy, A. and A. Javernick-Will (2020). "How Incentive Timing, Response Mode Choice, and Urbanicity Affect Survey Response". *Engineering Project Organizations Journal*. Vol 9. [10.25219/epoj.2020.00105](https://doi.org/10.25219/epoj.2020.00105).
- [J78] Hollander, D., Ajroud, B., Thomas, E., Peabody, S., Jordan, E., Javernick-Will, A. and K. Linden (2020). "Monitoring Methods for Systems-Strengthening Activities Toward Sustainable Water and Sanitation Services in Low-Income Settings." *Sustainability*. 12(17). [10.3390/su12177044](https://doi.org/10.3390/su12177044).
- [J77] Venable, C., Javernick-Will, A., and A. Liel (2020). "Household Perceptions of Safety of Reconstructed Houses in Future Typhoons and Earthquakes". *Sustainability*. 12(9). [10.3390/su12093837](https://doi.org/10.3390/su12093837).

¹ Selected for feature in ASCE Smartbrief, 1/12/21 and featured on the CE Source website on 1/25/21.

- [J76] Palagi, S. and **A. Javernick-Will** (2020). "Discrepancies between post-disaster relocation policy and implementation" *Journal of Management in Engineering*. 36(4). [10.1061/\(ASCE\)ME.1943-5479.0000790](https://doi.org/10.1061/(ASCE)ME.1943-5479.0000790).
- [J75] Palagi, S. and **A. Javernick-Will** (2020) "Pathways to livable relocation settlements following disaster". *Sustainability*. 12(8). [10.3390/su12083474](https://doi.org/10.3390/su12083474).
- [J74] Pugel, K., Javernick-Will, A., Koschmann, M., Peabody, S., and K. Linden (2020). "Adapting Collaborative Approaches for Service Provision to Low-Income Countries: Expert Panel Results". *Sustainability*. 12(7). [10.3390/su12072612](https://doi.org/10.3390/su12072612).
- [J73] Tracy, A. and **A. Javernick-Will** (2020). "Credible Sources of Information Regarding Induced Seismicity". *Sustainability*. 12(6). [10.3390/su12062308](https://doi.org/10.3390/su12062308).
- [J72] **Javernick-Will, A., Mahalingam, A., and J. Taylor** (2020). "Ray Levitt: professor, practitioner, and pathfinder". Editorial for: *Construction Management and Economics*. 38(4). [10.1080/01446193.2020.1730922](https://doi.org/10.1080/01446193.2020.1730922).
- [J71] Harper, J., Bielefeldt, A., Javernick-Will, A., Veasna, T., and C. Nicoletti (2020). "Context and Intentions: Practical Associations for Fecal Sludge Management in Rural Low-income Cambodia". *Journal of Water, Sanitation and Hygiene for Development*. 10(2). [10.2166/washdev.2020.1032](https://doi.org/10.2166/washdev.2020.1032).
- [J70] Valcourt, N., Walters, J., Javernick-Will, A., Linden, K., and B. Hailegiorgis (2020). "Understanding Rural Water Services as a Complex System: An assessment of key factors as potential leverage points for improved service sustainability." *Sustainability*. 12(3). [10.3390/su12031243](https://doi.org/10.3390/su12031243).
- [J69] Chan, P., Dossick, C., Hacker, M., Hartmann, T., **Javernick-Will, A., Mahalingam, A., V. Zerjav** (2020). Journal Reviews and Revisions: Advice from an Early Career Panel Discussion. Editorial for: *Engineering Project Organizations Journal*. Vol 9. [10.25219/epoj.2020.00101](https://doi.org/10.25219/epoj.2020.00101).
- [J68] Valcourt, N., Javernick-Will, A., Walters, J., K. Linden (2020). "Systems Approaches to Water, Sanitation and Hygiene: A Systematic Literature Review". *International Journal of Environmental Research and Public Health*. 17(3). [10.3390/ijerph17030702](https://doi.org/10.3390/ijerph17030702).
- [J67] Arneson, E., Javernick-Will, A., Hallowell, M., R. Corotis (2020). "Predicting Post-Disaster Residential Housing Reconstruction Based on Market Resources". *Natural Hazards Review*. 21(1). [10.1061/%28ASCE%29NH.1527-6996.0000339](https://doi.org/10.1061/%28ASCE%29NH.1527-6996.0000339).
- [J66] Chinowsky, P., and A. Javernick-Will (2020). "High Value Collaborative Networks" *Construction Management and Economics*. 38(4). [10.1080/01446193.2019.1607513](https://doi.org/10.1080/01446193.2019.1607513).
- [J65] Davis, A., Javernick-Will, A., and S. Cook (2019). "Analyzing Sanitation Sustainability Assessment Frameworks for Resource-Limited Communities". *Environmental Science and Technology*. 53(22). [10.1021/acs.est.9b03134](https://doi.org/10.1021/acs.est.9b03134)

² Selected by Chief Editor of the journal to be made Open Access free-of-charge based on its broad-scale importance and its interest to researchers in the developing world, funded by the Knowledge Unlatched initiative.

- [J64] Poleacovschi, C. and **A. Javernick-Will** (2019) "The importance of expertise visibility for individual performance." *Engineering Management Journal*. 32(1). [10.1080/10429247.2019.1661718](https://doi.org/10.1080/10429247.2019.1661718).
- [J63] Opdyke, A., Javernick-Will, A., and M. Koschmann (2019). "Assessing the Impact of Household Participation on Satisfaction and Safe Design in Humanitarian Shelter Projects." *Disasters*. 43(4). [10.1111/disa.12405](https://doi.org/10.1111/disa.12405).
- [J62] Olaerts, L., Walters, J., Linden, K., Javernick-Will, A., and A. Harvey (2019). "Factors Influencing Revenue Collection for Preventive Maintenance of Community Water Systems: A Fuzzy Set Qualitative Comparative Analysis". *Sustainability* 11, 3726; [10.3390/su11133726](https://doi.org/10.3390/su11133726).
- [J61] Davis, A., Javernick-Will, A., and S. Cook (2019). "The use of qualitative comparative analysis to identify pathways to successful and failed sanitation systems". *Science of the Total Environment* 663. [10.1016/j.scitotenv.2019.01.291](https://doi.org/10.1016/j.scitotenv.2019.01.291).
- [J60] Davis, A., Javernick-Will, A., and S. Cook (2019). "Priority Addressment Protocol: Understanding the Ability and Potential of Sanitation Systems to Address Priorities". *Environmental Science and Technology* 53(1). [10.1021/acs.est.8b04761](https://doi.org/10.1021/acs.est.8b04761).
- [J59] Palagi, S., and **A. Javernick-Will** (2019). "Institutional Constraints Influencing Relocation Decision Making and Implementation." *International Journal of Disaster Risk Reduction* 33. [10.1016/j.ijdrr.2018.10.016](https://doi.org/10.1016/j.ijdrr.2018.10.016).
- [J58] Poleacovschi, C., Javernick-Will, A., Tong, T. and J. Wanberg (2019). "Engineers Seeking Knowledge: The Effect of Control Systems on the Accessibility of Tacit and Codified Knowledge." *Journal of Construction Engineering and Management* 145(2). [10.1061/\(ASCE\)CO.1943-7862.0001594](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001594).
- [J57] Opdyke, A., Javernick-Will, A., and M. Koschmann (2018). "A Comparative Analysis of Coordination, Participation, and Training in Post-Disaster Shelter Projects." *Sustainability* 10(11). [10.3390/su10114241](https://doi.org/10.3390/su10114241).
- [J56] Davis, A., Javernick-Will, A., and S. Cook (2018). "A comparison of interviews, focus groups, and photovoice to identify sanitation priorities and increase success of community-based sanitation systems". *Environmental Science: Water Research & Technology* 4(10). [10.1039/C8EW00391B](https://doi.org/10.1039/C8EW00391B).
- [J55] **Javernick-Will, A.,** (2018). "Rationale: the necessary ingredient for contributions to theory and practice". *Construction Management and Economics* 36(8). [10.1080/01446193.2018.1487910](https://doi.org/10.1080/01446193.2018.1487910).
- [J54] Antillon, E., Garvin, M., Molenaar, K., and **A. Javernick-Will** (2018). "Influence of Interorganizational Coordination on Lifecycle Design Decision making: A Comparative Case Study of Public-Private Partnership Highway Projects." *Journal of Management in Engineering* 34(5). [10.1061/%28ASCE%29ME.1943-5479.0000623](https://doi.org/10.1061/%28ASCE%29ME.1943-5479.0000623)³

³ Editor's Choice

- [J53] Opdyke, A., Javernick-Will, A., and M. Koschmann (2018). "Household Construction Knowledge Acquisition in Post-disaster Shelter Training." *International Journal of Disaster Risk Reduction*. 28(6). [10.1016/j.ijdrr.2018.02.038](https://doi.org/10.1016/j.ijdrr.2018.02.038).
- [J52] Wanberg, J., Javernick-Will, A., and J. Taylor (2017). "Mechanisms to initiate knowledge sharing connections in communities of practice". *Journal of Construction Engineering and Management*. 143(11). [10.1061/\(ASCE\)CO.1943-7862.0001399](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001399).
- [J51] Beitelmal, W., Molenaar, K., Javernick-Will, A. and E. Pellicer (2017) "Challenges and barriers to establishing infrastructure asset management: A comparative study between Libya and the USA", *Engineering, Construction and Architectural Management*, 24(6). [10.1108/ECAM-12-2015-0200](https://doi.org/10.1108/ECAM-12-2015-0200).
- [J50] Corvello, V., Javernick-Will, A. and A. La Ratta* (2017). "Routine Project Scope Management in Small Construction Enterprises". *International Journal of Project Organization and Management* 9(1). [10.1504/IJPOM.2017/083109](https://doi.org/10.1504/IJPOM.2017/083109).
- [J49] Ferrara, S.*, Mohammadi, N., Taylor, J., A. Javernick-Will (2017). "Generational differences in virtual teaming in the United States: culture, time, and technology," *ITcon*, 22. <http://www.itcon.org/2017/7>.
- [J48] Koschmann, M., Kopczynski, J., Opdyke, A., and A. Javernick-Will (2017). "Constructing authority in disaster relief coordination." *Electronic Journal of Communication*, 27, (1 & 2). <http://www.cios.org/www/ejcmmain.htm>.
- [J47] Arneson, E., Deniz, D., Javernick-Will, A., Liel, A., and S. Dashti (2017). "Information Deficits and Post-Disaster Recovery". *Natural Hazards Review*. 18(4). [10.1061/\(ASCE\)NH.1527-6996.0000251](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000251).
- [J46] Poleacovschi, C., and A. Javernick-Will (2017). "Who are the experts? Assessing expertise in construction and engineering organizations" *Journal of Construction Engineering and Management*. 143(8). [10.1061/\(ASCE\)CO.1943-7862.0001325](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001325).
- [J45] Opdyke, A., Javernick-Will, A., and M. Koschmann (2017). "Infrastructure Hazards Resilience Trends: An Analysis of 25 Years of Research". *Natural Hazards*. 87. [10.1007/s11069-017-2792-8](https://doi.org/10.1007/s11069-017-2792-8).
- [J44] Poleacovschi, C., Javernick-Will, A., and T. Tong (2017). "The link between knowledge sharing connections and employee time savings: A social network analysis". *Construction Management and Economics for the Special Issue on Social Networks in Construction*. 35(8-9). [10.1080/01446193.2017.1287414](https://doi.org/10.1080/01446193.2017.1287414).
- [J43] Deniz, D.*, Arneson, E., Liel, A., Dashti, S., and A. Javernick-Will (2017). "Flood Loss Models for Residential Buildings Based on the 2013 Colorado Floods". *Natural Hazards*. 85. [10.1007/s11069-016-2615-3](https://doi.org/10.1007/s11069-016-2615-3).
- [J42] Zerio, A., Opdyke, A., and A. Javernick-Will (2016). "Characterizing Post-Disaster Reconstruction Training Methods and Learning Styles". *Engineering Project Organization Journal*. 6(2-4). [10.1080/21573727.2016.1257484](https://doi.org/10.1080/21573727.2016.1257484).

- [J41] Opdyke A., Lepropre, F., Javernick-Will, A. and M. Koschmann (2017). "Inter-organizational resource coordination in post-disaster infrastructure recovery." *Construction Management and Economics*. 35(8-9). [10.1080/01446193.2016.1247973](https://doi.org/10.1080/01446193.2016.1247973).
- [J40] Antillon, E., Molenaar, K., and A. Javernick-Will (2017). "Evaluating the Effect of Contract Timing on Life Cycle Design Innovation in Public-Private Partnerships: A Comparative Case Study of Highway Projects". *Journal of Construction Engineering and Management*. 143(4). [10.1061/\(ASCE\)CO.1943-7862.0001239](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001239).
- [J39] Litchfield, K. and A. Javernick-Will (2017). "'Socially Engaged Engineers' Career Interests and Experiences: A Miner's Canary". *Journal of Professional Issues in Engineering Education*. 143(1). [10.1061/\(ASCE\)EI.1943-5541.0000303](https://doi.org/10.1061/(ASCE)EI.1943-5541.0000303).
- [J38] Jordan, E., Javernick-Will, A. and Tierney, K. (2016). "Post-Tsunami Recovery in Tamil Nadu, India: Combined Social and Infrastructural outcomes". *Natural Hazards*. 84. [10.1007/s11069-016-2489-4](https://doi.org/10.1007/s11069-016-2489-4).
- [J37] Poleacovschi, C. and A. Javernick-Will. (2016). "Spanning Information and Knowledge Across Subgroups and Its Effects on Individual Performance". *Journal of Management in Engineering*. 32(4). [10.1061/\(ASCE\)ME.1943-5479.0000423](https://doi.org/10.1061/(ASCE)ME.1943-5479.0000423).
- [J36] Litchfield, K., Javernick-Will, A., and A. Maul (2016). "Technical and Professional Skills of Engineers Involved and Not Involved in Engineering Service." *Journal of Engineering Education*. 105(1). [10.1002/jee.20109](https://doi.org/10.1002/jee.20109).
- [J35] Litchfield, K. and A. Javernick-Will (2016). "Social Appeal: Service activities may attract a more altruistic, broad-minded group to engineering". *PRISM, JEE Selects*, p.39. (1 page review).
- [J34] Litchfield, K. and A. Javernick-Will (2015). "'I am an Engineer AND': A Mixed-Methods Study of Socially Engaged Engineers". *Journal of Engineering Education*. 104(4). [10.1002/jee.20102](https://doi.org/10.1002/jee.20102)
- [J33] Wanberg, J., Javernick-Will, A., Taylor, J. and P. Chinowsky (2015). "The Effects of Organizational Divisions on Knowledge Sharing Networks in Multi-lateral Communities of Practice". *Engineering Project Organizations Journal*. 5(2-3). [10.1080/21573727.2015.1059823](https://doi.org/10.1080/21573727.2015.1059823).
- [J32] Walters, J. and A. Javernick-Will (2015). "Management of Rural Water Services in Nicaragua: A Systemic Network Approach to Evaluating Stakeholder Alignment". *International Journal of Sustainable Development and World Ecology*. 22(4). [10.1080/13504509.2015.1053999](https://doi.org/10.1080/13504509.2015.1053999).
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PEER-REVIEWED JOURNAL ARTICLES ACCEPTED

- [JAX] Tracy, A., Javernick-Will, A. and A. Liel. ""Factors influencing public beliefs regarding the cause of induced earthquakes". Submitted to: *Natural Hazards* (Submitted 05/ 2021, Accepted 04/2022).

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- [JSX] Pugel, K., Javernick-Will, A., Nyaga, C., Dimtse, D., Mussa, M., Henry, L., and K. Linden. "Mapping priority (mis)alignment within a collaborative network using homophily metrics". Submitted to *PLOS Water* (Submitted 10/2021).
- [JSX] Murray, P., Feliciano, D., Goldwyn, B., Liel, A., Arroyo, O., and A. Javernick-Will. Seismic safety of informally-constructed reinforced concrete houses in Puerto Rico. Submitted to *Earthquake Spectra*. (Submitted)
- [JSX] Fink, E. Chintalapati, P., Lane, A., Wester, A., Javernick-Will, A., and K. Linden. "Determinants of rural hand-pump functionality through maintenance provision in the Central African Republic" Submitted to *PLOS Water* (Submitted 12/2021).
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- [JSX] Chintalapati, P., Nyaga, C., Walters, J., Koehler, J., Javernick-Will, A., Hope, R., Linden, K. "Improving the reliability of water service delivery in rural Kenya through professionalized maintenance: a system dynamics perspective". Submitted to *Environmental Science and Technology*. (Submitted 02/2022).
- [JSX] Walters, J., Valcourt, N., Linden, K., Javernick-Will, A., and Lockwood, H. "Challenges and Solutions to Rural Water Service Sustainability in East African Countries: A 'Systems

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WORKING PAPERS

- [JWX] Harper, J., Bielefeldt, A., Javernick-Will, A., Veasna, T., Kozole, T. & Nicoletti, C. Household acceptance of safe fecal sludge management practices in rural Cambodia. Planned submission to the *Journal of WASH for Development*.
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RESEARCH REPORTS AND OTHER WORK

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- [RR13] Valcourt, N., Walters, J., Javernick-Will, A., & Hollander, D. (2019). Factor Mapping for Rural Water and Small Town Sanitation Services. Sustainable WASH Systems Learning Partnership: United States Agency for International Development.
- [RR12] National Academy of Engineering (2018). Understanding the Educational and Career Pathways of Engineers. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25284>.
- [RR11] Palagi, S., and Javernick-Will, A. (2018). Post-Disaster Permanent Relocation: Case Studies in Tacloban City, Philippines. Mortenson Center in Engineering for Developing Communities, University of Colorado Boulder.
- [RR10] Valcourt, N., Walters, J., Javernick-Will, A., Hollander, D., Linden, K., (2018). Summary Report of Baseline Iterative Factor Mapping and Learning (IFML) Analyses in Ethiopia And Uganda. Washington, DC: Sustainable WASH Systems Learning Partnership: United States Agency for International Development.
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- [RR6] Mohammadi, N., Taylor, J., **Javernick-Will, A.** (2016). "Determining Virtual Team Performance in the Construction Industry." CII Research Report 326-11. Construction Industry Institute, Austin, TX, August 2016, 133 pp.
- [RR5] Mohammadi, N., Taylor, J., **Javernick-Will, A.**, Duncan, R. and Felton, S. (2016). "High Performance Virtual Team Equalizer Tool and User Guide". CII Implementation Resource IR326-2. Construction Industry Institute, Austin, TX, May 2016, Excel-based tool; User Guide: 40 pp.
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- [RR3] Rose, D., Molenaar, K.R., **Javernick-Will, A.**, Hallowell, M., Senesi, C., and McGuire, T. (2015). "Successful Implementation of Enterprise Risk Management in State Transportation Agencies." National Cooperative Highway Research Program, Research Report 08-36 (121), Washington, DC, April 2015. 38 pp.
- [RR2] Senesi, C., **Javernick-Will, A.**, Molenaar, K.R., Furlani, K. and Relyea, C. (2012). "Probabilistic Risk Management in Design and Construction Projects," *Implementation Resource, RS 280-2, Construction Industry Institute, Austin, TX, July 2012, 48 pp.*
- [RR1] Senesi, C., **Javernick-Will, A.**, Molenaar, K.R., Furlani, K. and Relyea, C. (2012). "Probabilistic Risk Management in Design and Construction Projects," *Research Summary, RS 280-1, Construction Industry Institute, Austin, TX, July 2012, 48 pp.*

PEER-REVIEWED CONFERENCE PROCEEDINGS SUBMITTED OR ACCEPTED

- [C84] Stine, E., **Javernick-Will, A.**, and T. Tanksley. "Dominant Narratives in Humanitarian Engineering: Repercussions on and Resistance by the Non-Dominant " Submitted to *American Society of Engineering Education. [Abstract Accepted]*.
- [C85] Lochhead, M., Murray, P., Goldwyn, B., Liel, A., and A. Javernick-Will. Multi-Hazard Performance of Informally Constructed Puerto Rican Houses. Submitted to NCEE.

PEER-REVIEWED CONFERENCE PROCEEDINGS PUBLISHED

- [C83] Goldwyn, B., **Javernick-Will, A.**, Liel, A., and Koschmann, M. (2022). Designing a Communication Practice to Build Community Capacity for Safer, More Resilient Housing. ASCE's 2022 Construction Research Conference.
- [C82] Goldwyn, B., **Javernick-Will, A.**, and A. Liel (2020). "The Dilemma of the Tropics: Changes to housing safety perceptions, preferences, and priorities in multi-hazard environments" 2020 Engineering Project Organizations Conference, Virtual.

- [C81] Pugel, K., Javernick-Will, A., Peabody, S. and K. Linden (2020). "Comparison of collaborative approaches for water and sanitation service provision in Ethiopia, Kenya, and Uganda," 2020 Engineering Project Organizations Conference, Virtual.
- [C80] Goldwyn, B., Venable, C., Javernick-Will, A., and A. Liel (2020). "The Influence of Reconstruction Modality, Social Capital, and Community Satisfaction on Willingness to Participate in Resilience-Building Activities". 2020 Construction Research Congress. Phoenix, AZ.
- [C79] Tracy, A., and **A. Javernick-Will** (2020). "How Induced Seismicity Impacts Community Perceptions of Oil and Gas Development". 2020 Construction Research Congress. Phoenix, AZ.
- [C78] Pugel, K., Javernick-Will, A., and K. Linden (2019). "Factors that Contribute to Successful Collective Action for Sustainable Water and Sanitation Development". 2019 Engineering Project Organizations Conference, Vail, CO.
- [C77] Goldwyn, B., Opdyke, A., Javernick-Will, A., and A. Liel (2019). "Post-Disaster Shelter and Settlements Research Priorities". 2019 Engineering Project Organizations Conference, Vail, CO.
- [C76] Valcourt, N., Walters, J., Javernick-Will, A., and K. Linden (2019) "Understanding Complexity in WASH systems". All Systems Go Conference, The Hague, The Netherlands.
- [C75] Cord, C., Walters, J., Lockwood, H., Chintalapaaati, P., Javernick-Will, A., and K. Linden (2019). "Moving toward prevention: rural water maintenance and sustained service delivery". All Systems Go Conference, The Hague, The Netherlands.
- [C74] Chintalapaati, P., Walters, J., Javernick-Will, A., and K. Linden (2019) "System dynamics modelling as a tool for assessing rural water sustainability". All Systems Go Conference, The Hague, The Netherlands.
- [C73] Pugel, K., Javernick-Will, A., K. Linden (2019) "What is a collective action approach and what makes it effective? - a desk review". All Systems Go Conference, The Hague, The Netherlands.
- [C73] Opdyke, A., Palagi, S., Venable, C., and **A. Javernick-Will** (2018). "Incremental Shelter and Homeowner Post-Disaster Expansions and Modifications." International Conference on Building Resilience. Lisbon, Portugal.
- [C72] Harper, J., Bielefeldt, A., Javernick-Will, A., Veasna T. and C. Nicoletti (2018). "Intentions and Behaviors Toward Fecal Sludge Management in Rural Developing Communities." 2018 Engineering Project Organizations Conference, Croatia.
- [C71] Venable, C., Javernick-Will, A., and A. Liel (2018). "Built Back Better? A Comparison of Assessed and Perceived Performance of Post-Disaster Shelter". 2018 Engineering Project Organizations Conference, Croatia.
- [C70] Davis, A., Javernick-Will, A. and S. Cook. (2018). "Avoiding Failure: The Use of Qualitative Comparative Analysis to Identify Pathways to Successful Sanitation Interventions". 2018 Engineering Project Organizations Conference, Croatia

- [C69] Pugel, K., Javernick-Will, A., Walters, J., Valcourt, N., and K. Linden (2018). "(F)actors of Water Projects: Sustaining Services through Collaborative Systems Approaches". 2018 Engineering Project Organizations Conference, Croatia.
- [C68] Pugel, K., Javernick-Will, A., and K. Linden (2018). "Complexity aware decision making for water projects." International Forum on Engineering Decision Making, Lake Louise, Canada.
- [C67] Venable, C., Opdyke, A., Javernick-Will, A., and A. Liel (2018). "Community Participation in Post-Disaster Shelter Programs: Examining the Evolution of Participation in Planning, Design, and Construction". 2018 Construction Research Congress, New Orleans, LA.
- [C66] Tracy, A., Klucik, R., Javernick-Will, A., and C. Poleacovschi (2018). "New Disasters in the Twittersphere: How Communities Utilize Social Media to Seek and Share Information in the Wake of Induced Seismicity." 2018 Construction Research Congress, New Orleans, LA.
- [C65] Arneson, E., Hallowell, M., and A. Javernick-Will (2018). "How Construction Resource Availability Affects Housing Reconstruction in Tornado Alley". 2018 Construction Research Congress, New Orleans, LA.
- [C64] Palagi, S., Mostafavi, A., and A. Javernick-Will (2017). "Establishing a conceptual framework of post-disaster risk reduction and relocation decision making.", 2017 I-Rec Conference, Toronto, Canada.
- [C63] Arneson, E., M. Hallowell, and A. Javernick-Will (2017). "How pre-disaster construction capacity affects post-disaster rebuilding of residential housing", 2017 CSCE (Construction Specialty Conference), Vancouver, BC, Canada.
- [C62] Arneson, E., Javernick-Will, A. and M. Hallowell (2017). "Construction Capacity: How construction resource availability affects post-tornado rebuilding of residential housing", 2017 Engineering Project Organizations Conference, Stanford, CA.
- [C61] Davis, A., Javernick-Will, A. and S. Cook. (2017). "Multi-Method Approach to Identifying Community Priorities for Sanitation Systems", 2017 Engineering Project Organizations Conference, Stanford, CA.
- [C60] Tracy, A., Javernick-Will, A. and D. Baummer (2017). "'I'm not a Scientist': community knowledge-sharing during uncertainty: induced seismicity and hydraulic fracturing." 2017 Engineering Project Organizations Conference, Stanford, CA.
- [C59] Palagi, S., and A. Javernick-Will (2016). "(Ostensibly) Invulnerable Distances: Investigating the Role of Post-Disaster Relocation for Holistic Risk Reduction" 4th International Conference on Urban Disaster Reduction, Wellington, New Zealand, October, 2016.
- [C58] Palagi, S., Jopson, T., and A. Javernick-Will (2016). "Efforts to design wastewater treatment systems for Tacloban North relocation sites". USMCA2016: New Technologies for Urban Safety of Mega Cities in Asia, Tacloban, Philippines, November 2016.⁵
- [C57] Linden, K., Javernick-Will, A., Amadei, B., Klees, K., and R. Sandekian (2016). "Engineering in Developing Communities: Curriculum Development around Graduate Certificate and

⁵ Outstanding Graduate Researcher Award

- Professional MS Programs." 2016 Engineering Education for Sustainable Development Conference, Bruges, Belgium, September 2016.
- [C56] Poleacovschi, C. and **A. Javernick-Will** (2016). "A relational view explaining the process of knowledge seeking". 2016 Engineering Project Organization Conference, Seattle, WA, USA, June 2016.
- [C55] Opdyke, A., Javernick-Will, A., Koschmann, M., and H. Moench (2016). "A Constitutive Communication Lens of Stakeholder Participation in Post-Disaster Construction". 2016 Engineering Project Organization Conference, Seattle, WA, USA, June 2016.⁶
- [C54] Arneson, E., Javernick-Will, A., Hallowell, M. and W. Thompson (2016). "Construction Capacity: The Role of Regional Construction Supply Chain Resources in Post-disaster Rebuilding". 2016 Engineering Project Organization Conference, Seattle, WA, USA, June 2016.
- [C53] Ferrara, S., Mohammadi, N., Taylor, J., and **A. Javernick-Will** (2016). "Exploring Generational Preferences toward Information and Communication Technologies in Virtual Teams". 2016 Engineering Project Organization Conference, Seattle, WA, USA, June 2016.
- [C52] Zerio, A., Opdyke, A., and **A. Javernick-Will** (2016). "Post-Disaster Reconstruction Training Effectiveness". 2016 Engineering Project Organization Conference, Seattle, WA, USA, June 2016.
- [C50] Poleacovschi, C., A. Javernick-Will, and T. Tong (2016). "Searching for knowledge and experts in engineering and construction organizations". 2016 Construction Research Congress, San Juan, Puerto Rico, USA, May 2016.
- [C49] Opdyke, A., Javernick-Will, A., Koschmann M., and H. Moench (2016). "Characterizing Post-Disaster Shelter Design and Material Selection: Lessons from Typhoon Yolanda in the Philippines". 2016 Construction Research Congress, San Juan, Puerto Rico, USA, May 2016.
- [C48] Mohammadi, N., Taylor, J. and **A. Javernick-Will** (2016). "Team Building Moderators of Engineering and Construction Industry Virtual Team Performance". 2016 Construction Research Congress, San Juan, Puerto Rico, USA, May 2016.
- [C47] Arneson, E., Deniz, D., Javernick-Will, A., Liel, A. and S. Dashti (2016). "Information Deficits and Post-Disaster Recovery". 2016 Construction Research Congress, San Juan, Puerto Rico, USA, May 2016.
- [C46] Palagi, S. and **A. Javernick-Will**. (2015). "Achieving Risk Reduction and Infrastructure Recovery after the 2004 Indian Ocean Tsunami: A Comparison between India and Sri Lanka". 2015 Engineering Project Organizations Conference (EPOC), Edinburgh, Scotland, June 2015.
- [C45] Opdyke, A., Javernick-Will, A. M. Koschmann, and H.Moench (2015). "Emergent Coordination Practice in Post-Disaster Planning of Infrastructure Systems". 2015 Engineering Project Organizations Conference (EPOC), Edinburgh, Scotland, June 2015.

⁶ Best Paper Award

- [C44] Poleacovschi, C. and **A. Javernick-Will** (2015). "Assessing expertise for knowledge searching using Bourdieu's Habitus". 2015 Engineering Project Organizations Conference (EPOC), Edinburgh, Scotland, June 2015.⁷
- [C43] Antillon, E., **Javernick-Will, A.** and K. Molenaar (2015). "The Influence of Project Delivery Methods on the Life Cycle Design Decision-Making Process of Transportation Projects: A Case Study. International Construction Specialty Conference (ICSC'15), Vancouver, Canada, May 2015.
- [C42] Poleacovschi, C. and **A. Javernick-Will** (2015). "Do Strong or Weak ties matter in knowledge sharing networks?". International Construction Specialty Conference (ICSC'15), Vancouver, Canada, May 2015.
- [C41] Soden, R., Palen, L., Chase, C., Deniz, D., Arneson, E., Sprain, L., Goldstein, B., Liel, A., **Javernick-Will, A.**, and S. Dashti, (2015). "The Polyvocality of Resilience: Discovering a Research Agenda through Interdisciplinary Investigation & Community Engagement". 12th International Conference on Information Systems for Crisis Response and Management, Kristiansand, Norway, May 2015.
- [C40] Opdyke, A. and **A. Javernick-Will** (2014). "Building Coordination Capacity: Post-Disaster Organizational Twitter Networks." Proceedings of the 2014 Institute of Electrical and Electronics Engineers Global Humanitarian Technology Conference, San Jose, CA, October 2014.
- [C39] Knight, D., Litchfield, K. and **A. Javernick-Will** (2014). "Engineers Without Borders: An Empirical Investigation of Member's Defining Characteristics". 2014 Frontiers in Education Conference, Madrid, Spain, October 2014.
- [C38] Wanberg, J. and **A. Javernick-Will** (2014). "Organizational Tetris: Reducing Collaborative gaps by classifying knowledge sharing relationships". 2014 Engineering Organizations Conference, Granby, CO, July 2014.
- [C37] Walters, J., **Javernick-Will, A.** and Chinowsky, P. (2014). "Rural Water Services Sustainability: Causal Loop Systems Diagram". 2014 Engineering Organizations Conference, Granby, CO, July 2014.
- [C36] Opdyke, A. and **A. Javernick-Will** (2014). "Resilient and Sustainable Infrastructure Systems: The Role of Coordination, Stakeholder Participation, and Training in Post-Disaster Construction". 2014 Engineering Organizations Conference, Granby, CO, July 2014.
- [C35] Poleacovschi, C. and **A. Javernick-Will** (2014). "The price of selling knowledge: the commoditization of knowledge in a construction and engineering organization". 2014 Engineering Organizations Conference, Granby, CO, July 2014.
- [C34] Poleacovschi, C. and **A. Javernick-Will** (2014). How are gender issues addressed in construction engineering and its consequences? 2014 American Society of Engineering Education International Forum, Indianapolis, IN, June 2014.

⁷ Best Paper Award

- [C33] Litchfield, K., **Javernick-Will, A.** and Knight, D (2014). "Education Without Borders: Exploring the Achievement of ABET Learning Outcomes through Engineers Without Borders-USA". 2014 American Society of Engineering Education International Forum, Indianapolis, IN, June 2014.
- [C32] Litchfield, K. and **A. Javernick-Will** (2014). Distinguishing Engineers of the Future: Comparisons with EWB-USA Members. 2014 American Society of Engineering Education Conference, Indianapolis, IN, June 2014
- [C31] Litchfield, K. **Javernick-Will, A.** and Cathy Leslie (2014). "Collaborative Research: Gender Diversity, Identity and EWB-USA". 2014 American Society of Engineering Education Conference, Indianapolis, IN, June 2014
- [C30] Jordan, E. and **A. Javernick-Will** (2014). "Success and Failures of the Post-Tsunami Housing Reconstruction Program in Tamil Nadu, India". 2014 Construction Research Congress, Atlanta, GA, May 2014.
- [C29] Wanberg, J. and **A. Javernick-Will** (2014). "Worth One's Salt?: The Usefulness of knowledge sharing connections". 2014 Construction Research Congress, Atlanta, GA, May 2014.
- [C28] Litchfield, K. and **A. Javernick-Will** (2013). "A New Vision: Changed Engineering Outcome Expectations through EWB-USA". 2013 Frontiers in Education Conference, Oklahmoa City, OK, Oct 2013.
- [C27] Jordan, E. and **A. Javernick-Will** (2013). "Pathways to Community Recovery Following the 2004 Tsunami in Tamil Nadu, India". 2013 Engineering Project Organizations Conference, Granby, CO, July 2013.
- [C26] Berteaux, F., **Javernick-Will, A.** and Cheryl Chi (2013). "Adaptation and Integration for Multinational Project-Based Organizations". 2013 Engineering Project Organizations Conference, Granby, CO, July 2013.
- [C25] Kaminsky, J. and **A. Javernick-Will** (2013). "Sanitation System Legitimacy in Bangladesh". 2013 Engineering Project Organizations Conference, Granby, CO, July 2013.
- [C24] Wanberg, J. and **Javernick-Will, A.** Taylor, J.E. and Paul Chinowsky (2013). "A Useful Knot or a Deadly Noose?: The Effects of Organizational Divisions on Informal Knowledge Sharing Networks". 2013 Engineering Project Organizations Conference, Granby, CO, July 2013.
- [C23] Litchfield, K. and **A. Javernick-Will** (2013). "Exploring Motivations for Engineers Without Borders-USA". 2013 Engineering Project Organizations Conference, Granby, CO, July 2013.
- [C22] Litchfield, K. and **A. Javernick-Will** (2012). "Perceptions of Engineering Identity: Diversity and EWB-USA". 2012 Frontiers in Education Conference, Seattle, WA, October 2012.
- [C21] Wanberg, J., **Javernick-Will, A.**, Chinowsky, P. and John Taylor (2012). "Near and Far"; The Mechanics and Dynamics of Boundary Spanning Knowledge Sharing Connections in Engineering and Construction Organizations". 2012 Engineering Project Organizations Conference, Netherlands, July 2012.

- [C20] Jordan, E., **Javernick-Will, A.**, and Bernard Amadei (2012). "A Qualitative Comparative Analysis of Neighborhood Recovery following Hurricane Katrina". 2012 Engineering Project Organizations Conference, Netherlands, July 2012.
- [C19] Alsamadani, R.*, Hallowell, M., **Javernick-Will, A.** and Jay Cabello (2012). "Relationships among Language Proficiency, Communication Patterns, and Safety Performance in Small Work Crews in the United States". 2012 Engineering Project Organizations Conference, Netherlands, July 2012.⁸
- [C18] Litchfield, K., **Javernick-Will, A.**, and Cathy Leslie (2012). Collaborative Research: Gender Diversity, Identity, and EWB-USA. 2012 American Society of Engineering Education Conference, San Antonio, TX, June 2012.
- [C17] Wanberg, J. and **A. Javernick-Will** (2012). Long and High Jumps: Knowledge Sharing Connections that span Geographic and Disciplinary Boundaries in Interdisciplinary Intra-Firm Networks. 2012 Construction Research Congress, West Lafayette, IN, May 2012.
- [C16] Jordan, E. and **A. Javernick-Will** (2012). Measuring Community Resilience and Recovery: A Content Analysis of Indicators 2012 Construction Research Congress, West Lafayette, IN, May 2012.⁹
- [C15] Senesi, C., Javernick-Will A., and Keith Molenaar (2012). Barriers to Applying Probabilistic Risk Analysis in Design and Construction Projects. 2012 Construction Research Congress, West Lafayette, IN, May 2012.
- [C14] Kaminsky, J. and **A. Javernick-Will** (2012). Factors Influencing Design-Life Infrastructure Sustainability. 2012 Construction Research Congress, West Lafayette, IN, May 2012.
- [C13] Kaminsky, J., Casias, C., **Javernick-Will, A.**, and Cathy Leslie (2012). Expected Outcomes of a Construction Career: Gender Identity and Engineer's without Borders-USA. 2012 Construction Research Congress, West Lafayette, IN, May 2012.
- [C12] Chatterley C.*, **Javernick-Will, A.** and Karl Linden (2011). WASH in Belizean Schools: Returning to Learn from Successes and Challenges. 2011 UNC WASH Conference.
- [C11] **Javernick-Will, A.** (2011). Intra-firm, Interdisciplinary Networks in Multi-National Engineering Organizations. 2011 MISBE Conference. Amsterdam, Netherlands, June, 2011.
- [C10] **Javernick-Will, A.** (2011). Establishing Knowledge-Sharing Connections across Boundaries in Multi-disciplinary, Multi-national CoP's. 2011 EPOC Conference. Estes Park, Colorado, August, 2011.¹⁰
- [C9] Jordan, E., **Javernick-Will A.**, and Bernard Amadei (2011). Pathways to Community Recovery and Resiliency. 2011 EPOC Conference. Estes Park, Colorado, August 2011.¹¹

⁸ **Best Paper Award**

⁹ **Best Paper Award**

¹⁰ **Best Presentation Award**

¹¹ **Outstanding PhD Student Award**

- [C8] Kaminsky, J., and **A. Javernick-Will** (2011). Sanitation Networks in Developing Communities. 2011 EPOC Conference. Estes Park, Colorado, August 2011.
- [C7] **Javernick-Will, A.** (2010). “The Embedment of a Knowledge Management Program in an Engineering Organization”. 2010 CRC (Construction Research Council) Conference, Banff, Canada May, 2010.
- [C6] **Javernick-Will, A.**, Chinowsky, P. and Christopher Senesi (2010). Disasters: Impact of Country Level Variables on Recovery Progression Engineering Project Organizations Conference. Tahoe, CA, November 2010.
- [C5] **Javernick-Will, A.** (2010). The paradox of embeddedness: Local knowledge and knowledge management strategies for multi-national project-based firms. 2010 American Society of Engineering Management Conference. Northwest Arkansas, Arkansas, October, 2010.
- [C4] **Javernick-Will, A.** and Raymond E. Levitt† (2009). “Acquiring Local Knowledge for International Projects.” ASCE Construction Research Congress, Seattle, WA, April 2009.
- [C3] **Javernick-Will, A.** and Raymond E. Levitt† (2009). “Knowledge as a contingency Variable for Organizing Knowledge management solutions”. 2009 ASCE LEAD Conference, Lake Tahoe, California, November 2009.
- [C2] Zerjav, V.* and **A. Javernick-Will** (2009). “Motivators and Critical Factors for Worksharing in Design and Engineering Networks”. 2009 ASCE LEAD Conference, Lake Tahoe, California, November, 2009.
- [C1] **Javernick-Will, A.**, Levitt, R.E.†, and W. Richard Scott (2008). “Mobilizing Knowledge for International Projects”. 2008 ASCE LEAD Conference, Lake Tahoe, California, October 2008.¹²

OTHER CONFERENCE PROCEEDINGS, POSTERS, and PRESENTATIONS

- [CP13] Pugel, K., **Javernick-Will, A.**, Peabody, S., Linden, K., and D. Hollander (2020). Cross-case comparison of fourteen collective action approaches in WASH. University of North Carolina Water and Health Conference, Virtual, October 2020.
https://public.tableau.com/profile/kimberly.pugel#!/vizhome/UNCvisualization_Pugel2020_V1/Poster
- [CP12] What’s the Hub Bub about Having a Hub? (2020) Convened session with Conrad N. Hilton Foundation, Millennium Water Alliance, IRC WASH, and the Sustainable WASH Systems Program. University of North Carolina Water and Health Conference, Virtual, October 2020.
- [CP11] Chintalpati, P., Nyaga, C., Walters, J., **Javernick-Will, A.**, and K. Linden (2020). Financial and functionality returns of professional maintenance of rural water services in Kenya. University of North Carolina Water and Health Conference, Virtual, October 2020.

¹² **Best Paper Award**

- [CP10] Harper, J., Bielefeldt, A., **Javernick-Will, A.**, Veasna, T., and C. Nicoletti (2020). Household Preferences for Rural Fecal Sludge Management Service Attributes: A Discrete Choice Experiment. 2019 WASH Symposium, University of Colorado Boulder, Boulder, CO, March 2020.
- [CP9] Harper, J., Bielefeldt, A., **Javernick-Will, A.**, Asaduzzaman, M., & Karki, S. (2019). Why Pit Emptiers in Rural Bangladesh Do What They Do?: Decision-making in Fecal Sludge Management. University of North Carolina Water and Health Conference, Chapel Hill, North Carolina, USA, October 2019.
- [CP8] Cord, C.; **Javernick-Will, A.**; Chintalapati, P.; Lockwood, H.; Linden, K. (2019). Preventing failure in rural WASH systems: mapping and modeling rural water maintenance approaches. University of North Carolina Water and Health Conference, Chapel Hill, North Carolina, USA, October 2019.
- [CP7] Venable, C., **Javernick-Will, A.**, Liel, A. (2019). "Perceptions of Reconstructed Housing Safety in Ten Filipino Communities Following Typhoon Haiyan." Natural Hazards Workshop. Broomfield, CO, July 2019.
- [CP6] Valcourt, N., Walters, J., **Javernick-Will, A.**, & Linden, K. (2019). Embracing Complexity: Thinking in systems and what it means for WASH. All Systems Go - WASH Systems Symposium, The Hague, Netherlands, March 2019.
- [CP5] Valcourt, N., Walters, J., **Javernick-Will, A.**, & Linden, K. (2019). Exploring the Complexity of Local WASH Systems: A Participatory Factor Mapping Workshop. All Systems Go - WASH Systems Symposium, The Hague, Netherlands, March 2019.
- [CP4] Harper, J., Bielefeldt, A., **Javernick-Will, A.** (2019). "Describing and Improving Behaviors When Rural Latrine Pits Fill: A Randomized Controlled Trial". 2019 FSM5 Conference, Capetown, South Africa, February 2019.
- [CP3] Harper, J.** , Bielefeldt, A., **Javernick-Will, A.**, Veasna, T., & Nicoletti, C. (2018). What Are You Going To Do With All That Poo: FSM Decision-making in Rural Low-income Cambodia. 2018 Water and Health Conference, University of North Carolina, North Carolina, October 2018.
- [CP2] Harper, J., Bielefeldt, A., & **Javernick-Will, A.** (2018). Intentions Toward Fecal Sludge Management in Rural Developing Communities. Presented at the Metropolitan State University's Humanitarian Engineering Symposium, Denver, CO, April 2018. Available at <https://bit.ly/39QowN0>.
- [CP1] Tracy, A. and **Javernick-Will, A.** (2018). "Trust of information sources regarding oil and gas development and induced seismicity." Presentation. 24th International Symposium on Society and Natural Resources, Salt Lake City, Utah, June 2018

INVITED PROFESSIONAL PRESENTATIONS

- [P37] Department of Energy, "Networks". November 2021.

- [P36] Sustainable WASH Systems Closeout Event & Learning Series. 5 DAY Event. September 20, “Welcome & Event Launch”; Sept 22 “Systems Understanding & Engagement”, Sept 27 “Professionalized Water Supply Maintenance”; Sept 29 “Collective Action”, Sept 30 “Bringing it all Together”. <https://www.globalwaters.org/events/sustainable-wash-systems-closeout-event-learning-series-swslearning>
- [P35] Webinar through USAID SWS, “Collective Action in WASH: Findings from SWS”. June 2021.
- [P34] Invited Speaker, Purdue Construction Engineering and Management Seminar Series, “Cultivating disaster risk reduction and recovery”. September 2020.
- [P33] Invited Moderator. USAID Webinar. Strengthening WASH Networks in Ethiopia: Analyzing an Urban Sanitation System. May 2020.
- [P32] Invited Speaker, CalPoly EWB Alumni and Student Weekend. Virtual Presentation. May 2020.
- [P31] Invited Inaugural Liles Distinguished Lecture at Clemson University. February 2020.
- [P30] Invited Speaker, Humanitarian Engineering Lecture Series. “After the Mess: Engineers, Resilient Infrastructure, and Communities in the Midst of Post-Disaster Recovery”, Colorado School of Mines, October 2019.
- [P29] Invited panelist, USAID/OFDA Academic Practitioner Collaborative Research Forum, Interaction, June 2019.
- [P28] Invited Workshop for the Institute of Behavioral Science’s Interdisciplinary Training in the Social Science’s Workshop on Qualitative Methods. “Qualitative Comparative Analysis (QCA) and Fuzzy-Set Qualitative Comparative Analysis (fsQCA): Methods and Analytic Tools”, Boulder, CO, April 2019.
- [P27] Invited Award Acceptance Plenary for the Daniel W. Halpin Award for Scholarship in Construction. “The Society-Infrastructure Nexus: Networks, Resilience, & Recovery”. 2018 Construction Research Congress, New Orleans, Louisiana, April 2018.
- [P26] Invited Panelist. Natural Hazards’ Interdisciplinary Methods and Approaches for Hazards and Disaster Research: A National Science Foundation Workshop Series, Boulder, CO, February 2018.
- [P25] Stanford University’s Frontiers Seminar Series, “Frontiers in Disaster Research: Resilient Infrastructure and Communities”, Stanford, CA, November 2017.
- [P24] Auckland City Council Workshop, “Post-Disaster Reconstruction and Recovery”, Auckland, New Zealand, May 2017.
- [P23] University of Auckland, Inaugural speaker for the Climate Adaptation Technical Seminar, “Post-Disaster Reconstruction and Recovery”, Auckland, New Zealand, May 2017.
- [P22] University of Canterbury, “Post-Disaster Recovery: Resilient Infrastructure and Communities”, Christchurch, New Zealand, February 2017.
- [P21] iRec, “Participation Pathways to Increased Social Capital in Humanitarian Shelter Projects”, Toronto, CA, June 2017.
- [P20] Philippines Shelter Cluster Meeting, “Post-Disaster Recovery in the Philippines”, Manilla,

- Philippines, November 2016.
- [P19] United Nation's Habitat 3 Conference, Interaction Organization Session, "Partnering to foster Holistic Post-Disaster Recovery through Research: Resilient Infrastructure and Communities", Quito, Ecuador, October 2016.
- [P18] Department of Energy, "Network Strategies to enhance Organizational Knowledge Sharing", University of Colorado Boulder, Boulder, CO, August 2016
- [P17] Georgia Tech Frontiers Seminar Series "Frontiers in Disaster Research: Resilient Infrastructure and Communities", Georgia Tech, GA, January 2016.
- [P16] "Social Network Analysis in Civil Infrastructure Systems", CU-Boulder, November 2015.
- [P15] Plenary, National Academy of Engineering, 2015 Frontiers of Engineering Education Symposium "Exploring Engineers of the Future through Engineers without Borders", October 2015.
- [P14] Valencia Construction Conference "Organizational Knowledge Sharing, Valencia, Spain, May 2015.
- [P13] Guest Lecture Series, University of Colorado-Denver. Invited talk to present "Disaster Recovery in Sri Lanka and India", Denver, CO, February 2015.
- [P12] National Science Foundation Fellowship and invited presentation at NSF North America East Asia for Big Data on ISBR. "Post-disaster reconstruction processes and coordination networks". Beijing, China. September 2014.
- [P11] American Association of Engineering Societies Board Meeting, "Who will be the Future Engineers?", Washington D.C., October 2013.
- [P10] Humanitarian Engineering Guest Lecture Series, Colorado School of Mines, October 2013.
- [P9] Construction Industry Institute Global Community of Practice, "How well is your organization exchanging knowledge globally?". Virtual Meeting, July 2013.
- [P8] Construction Owner's Association Conference "Managing the Design Process for Design-Build Projects". Atlanta, GA, May 2013.
- [P7] Northwest Construction Consumer Council Conference "Predicting Project and Organizational Outcomes using Network Analysis". Seattle, WA, November 2012.
- [P6] USAID (United States Agency for International Development) Post-Disaster Infrastructure Reconstruction Workshop "Measuring Community Resilience and Post-Disaster Recovery"., Washington DC, December 2012.
- [P5] Organization Science Winter Conference, "Future Directions in Organizational Memory", Steamboat Springs, CO, February 2011.
- [P4] Indian Institute of Technology, "Understanding Knowledge Acquisition and Transfer for Global Development, Contracting and Engineering Firms"., Chennai, India, April 2008.
- [P3] Helsinki University of Technology, "Knowledge Transfer for firms engaged in International Projects", Helsinki, Finland, February 2008.
- [P2] USGBC Greenbuild 2006, "Environmental Protection Agency Region 8 Headquarters", Denver, CO, November 2006.
- [P1] 2006 National Workshop on State Building Energy Codes, "Sustainable Development"

with Shane Brady, US EPA; Cathy Berlow, US EPA; Courtney France, AEC., U.S. Department of Energy, Denver, CO, August 2006.

PROFESSIONAL DEVELOPMENT

Academic Leaders Institute Training, *University of Colorado Boulder*, 2020.
 In-depth Media Coaching, *University of Colorado Strategic Communication*, October 2019.
 National Science Foundation Coastlines & People Workshop, *San Diego, CA*, September 2018.
 National Science Foundation Research in Engineering Practice Workshop, *San Jose, CA*, October 2018.
 Crucial Accountability Course, *Boulder, CO*, June 2018.
 Crucial Conversations Course, *Boulder, CO*, June 2017.
 Philippines Shelter Cluster Meeting, *Tacloban, Philippines*, November 2016.
 United Nation's Habitat 3 Conference, *Quito, Ecuador*, October 2016.
 Penn State PACE, Innovation Research Roadmapping Workshop, *Pennsylvania*, June 2015.
 National Science Foundation IDEAS Lab, *Virginia*, March 2014.
 Presenting Data and Information, Edward Tufte in *Denver, CO* for Friday, July 2012
 ASCE ExCEED Teaching Workshop, Hosted by the University of Colorado at *Boulder, CO*, July 2010.
 National Science Foundation CAREER Workshop, Hosted by the University of Connecticut, *Hartford, CT*, April 2011.
 National Science Foundation Construction Engineering Conference, Virginia Tech, *Blacksburg, VA*, 2010.

FUNDED RESEARCH PROJECTS

Working

[PR1] National Science Foundation, Humans, Disasters, and the Built Environment Program. "Collaborative Research: Empowering collective, science-based action to improve school infrastructure safety". PI Javernick-Will, co-PIs: Liel, Miller, Contreras, \$439,730. 2022-2025. *[Declined- recommended resubmission]*.

Under Review

[PR2] National Science Foundation, Research in the Formation of Engineers Program. "Research: Engineering for Social Justice: How Decolonial and Anti-Racist Mindsets Shape the Career Aspirations of Humanitarian Engineers". PI Javernick-Will, co-PI Tanksley, \$349,985. 2022-2025. *[Under Review]*

[PR3] Environmental Protection Agency, National Priorities: Water Innovation, Science, and Engagement to Advance Water Reuse. "Unlocking the Nationwide Potential of Water Reuse". PI Spahr, CoPIs Linden, Dickenson, Cath, Neukrug. My role: Co-PI with Sherri Cook on Topics D and E. \$3,245,999. CU Share: \$1,660,252. Cook/Javernick-Will Share: \$721,970. *[Under Review]*

- [PR5] National Science Foundation, Science of Organizations. Organizational challenges of post-fire recovery: decision making, collective action, and community outcomes. PI: Javernick-Will. CoPIs Liel and Koschmann. \$428,146.
- [PR6] National Science Foundation, Navigating the New Arctic. Collaborative Research: NNA Research: Improving Water and Sanitation Sustainability with Alaska Native Communities in the New Arctic. \$2,208,975. 2022-2027. My role: co-PI.

In Progress

- [R29] 2022 Innovative Seed Grant Program (ISGP). “Engineering for Social Justice: How Decolonial and Anti-Racist Mindsets Shape the Career Aspirations of Humanitarian Engineers”. PI Tanksley, co-PI Javernick-Will \$49,015. 2022-2023.
- [R28] National Science Foundation, RAPID. Collaborative Research: Rapid - Investigation of 2021 Marshall Fire Impacts on Physical Infrastructure and Decision-Making Processes. My role: co-PI. 2022.
- [R27] Office of Postsecondary Education (OPE): Graduate Areas of National Need (GAANN): Resilient and Equitable Infrastructure through Inclusive Engineering. PI: Javernick-Will, coPIs: Liel, Kasprzyk, Thomas, Baker, Dashti. SPs: Linden, Livneh, MacDonald, Corotis. \$1,143,732. 2021-2024.
- [R26] Planning Grant, National Science Foundation, Engineering Research Center. NSF Engineering Research Center for Integrating Native Solutions to Promote and Inform Resilient Engineering (INSPIRE). PI Karl Linden, Role: Senior Personnel. 2021-2022.
- [R23] United States Agency for International Development (USAID). Accelerating Peri-Urban Water and Sanitation Services in Kasai Oriental and Lomami Provinces. BAA-DRC-WASH-2018, PI: Chemonics, Role: Senior Personnel/Technical Advisory. \$21,789,203. 2020-2025.
- [R21] National Science Foundation, REU Supplement: Building Capacity for Safer Post-Disaster Shelter: Leveraging Local Understanding and Advanced Engineering Assessments PI: Javernick-Will, co-PI: Abbie Liel. \$8,000, 2020.
- [R19] National Science Foundation, HDBE, “Building Capacity for Safer Post-Disaster Shelter: Leveraging Local Understanding and Advanced Engineering Assessments”, PI: Javernick-Will, co-PIs: Abbie Liel and Matthew Koschmann. \$499,867, 2019- 2022.
- [R18] Office of Postsecondary Education (OPE): Graduate Areas of National Need (GAANN): Integrative Reengineering of Infrastructure for Tomorrow’s Communities. PI: Abbie Liel. Role: co-PI. \$1.2 million. 2018 – 2023.

Completed

- [R25] National Science Foundation, INTERN Supplement: Building Capacity for Safer Post-Disaster Shelter: Leveraging Local Understanding and Advanced Engineering Assessments PI: Javernick-Will, co-PIs: Abbie Liel and Matt Koschmann. \$48,575, 2021.

- [R24] CEAS RISE Seed Funding, Type 1. Electric vehicle adoption and associated impacts on infrastructure and society. PI Kyri Baker, Role: co-PI. \$8,500. 2021.
- [R22] National Science Foundation “Defining the Emerging Pedagogy in the Field of Global Engineering”. PI Karl Linden, Co-PI’s: Javernick-Will, MacDonald, and Thomas. \$49,896. 2020-2021.
- [R16] United States Agency for International Development (USAID). Systematic Action Learning for WASH: Comparative systems learning and methods for WASH sustainability. Water Office. BAA-OAA-SWS-2016, PI: Karl Linden, co-PI: Amy Javernick-Will. \$15,329,049. 2016-2021.
- [R14] National Science Foundation, Hazards SEES: The Risk Landscape of Earthquakes Induced by Deep Wastewater Injection, PI: Abbie Liel; Role: co-PI. \$2,997,112, 2015-2021.
- [R20] 2019 Innovative Seed Grant Program (ISGP). “Building seismic resilience of incrementally-constructed buildings”. PI: Abbie Liel, co-PI: Amy Javernick-Will, Collaborator: Orlando Arrayo. \$49,845. 2019- 2021.
- [R17] 2017 Innovative Seed Grant Program (ISGP). “Post-disaster Housing Reconstruction: Participation, Performance, and Community Resilience”. PI: Amy Javernick-Will, co-PI: Abbie Liel. \$49,927. 2017- 2019.
- [R15] Office of Postsecondary Education (OPE): Graduate Areas of National Need (GAANN)—Engineering Community Resilience. Program CFDS Number 84.200A. PI: Ross Corotis; co-PIs: Angela Bielefeldt, Keith Porter, Abbie Liel, Shideh Dashti and Amy Javernick-Will. \$885,834, 2015-2020.
- [R13] National Science Foundation, Civil Infrastructure Systems (CiS) and Infrastructure Management in Extreme Events (IMEE), “Resilient and Sustainable Infrastructure Systems: Post-Disaster Reconstruction Processes and Stakeholder Networks”. PI: Amy Javernick-Will; co-PI: Matthew Koschmann. \$300,101. 2014-2019.
- [R12] National Science Foundation, Science of Organizations (SoO), “Knowledge Governance and its Effects on Knowledge Mobilization”. PI: Amy Javernick-Will; co-PI: Tony Tong. \$301,695, 2014-2019.
- [R11] National Science Foundation, Resilient Infrastructure Processes and Systems (RIPS) Type 1: “The Interdependence of Built, Social and Information Infrastructures for Community Resilience: A Participatory Process”. PI: Abbie Liel, co-PIs: Leysia Palen, Bruce Goldstein, Shideh Dashti, Amy Javernick-Will \$299,219, 2014-2015.
- [R10] Construction Industry Institute (CII), RT325, Maximizing the Performance of Virtual Teams, PIs: John (JT) Taylor, Amy Javernick-Will. \$231,160, 2014-2016.
- [R9] San Francisco County Transportation Authority (SFCTA), “A Case Study Comparing Conventional Project Delivery and Public-Private Partnership”. PIs: Qingbin Cui, Keith Molenaar, co-PI: Amy Javernick-Will. \$489,542, 2013-2019.

- [R8] National Cooperative Highway Research Program, NCHRP08-36, Task 121, “Successful Implementation of Enterprise Risk Management in State Transportation Agencies”. PI: Keith Molenaar, co-PIs: Amy Javernick-Will and Matthew Hallowell. \$74,967, 2013-2014.
- [R7] National Science Foundation, REU Supplement: Investigating the Structure of EWB-USA project teams, PI: Amy Javernick-Will. \$17,494, 2012-2016.
- [R6] National Science Foundation, IMEE, “A Qualitative Comparative Analysis of Community Recovery”, PI: Amy Javernick-Will, co-PIs: Bernard Amadei, Kathleen Tierney, Charles Ragin, \$269,989, 2012-2016.
- [R5] National Science Foundation, VOSS, "VOSS: Creating Global, Multi-Lateral, Knowledge-Sharing Communities of Practice", PI: Amy Javernick-Will; co-PIs Paul Chinowsky, Mark Riddle, John Taylor, \$399,806, 2011-2015.
- [R4] National Science Foundation, REE, “Collaborative Research: Gender Diversity, Identity and EWB-USA”, PI: Amy Javernick-Will, co-PI: Cathy Leslie, \$268,138, 2011-2016.
- [R3] University of Colorado—President’s Learning and Teaching Collaborative, Assessment of Teaching Interventions on Learning Objectives for Global Engineering, \$1,550, 2011-2013.
- [R2] Construction Industry Institute (CII), “Methods for Dealing with Uncertainty—Applying Probabilistic Controls in Construction”, PIs Keith Molenaar and Amy Javernick-Will, \$176,335, 2010-2013.
- [R1] Center for Integrated Facility Engineering (CIFE) and the Collaboratory for Research on Global Projects (CRGP), “Understanding Knowledge Acquisition and Transfer by Global Development, Construction and Engineering Firms”, PI Amy Javernick-Will, co-PI Raymond Levitt, \$40,000, 2007–2009.

TEACHING

New Course Development

Fall, 2014, AREN 4506, Pre-construction Estimating and Scheduling, Undergraduate Elective, 3 credit hours. Developed a course for students that teaches pre-construction project planning, estimating and scheduling. Students are introduced and complete estimating and scheduling assignments, complete multiple labs for software, including RS Means and P6, and schedule and estimate a project.

Spring, 2012, CVEN 5206 Design Development, Graduate Course, 3 credit hours. Redeveloped a course for students that analyzes the financial feasibility of projects through net operating income (NOI) statements and design decisions that influence financial feasibility. Describes the interdisciplinary process of design decisions, managing the design process, and feasibility considerations with the local municipalities. Culminates in a response to a Request for Proposal (RFP) with the design, conceptual estimate, conceptual schedule, and financial statements for a project.

Spring, 2011, CVEN 5836 Managing Projects and Organizations, Graduate Course, 3 credit hours. Created a new course for students, combining 3 lectures from prior course on Engineering Organizations, 7 lectures from Global Projects and Organizations, newly developed the remaining lectures to include case studies, readings and discussion on strategy, resource management, organizational structure, stratification, and managing groups and teams.

Spring, 2010, CVEN 5836 Global Projects and Organizations, Graduate Elective, 3 credit hours. Created a new course for students focusing on global projects and organizations. This course examines institutional differences between project participants and looks at current literature regarding the challenges of global projects- social movements, project governance, etc.

Courses Taught

Course Number	Course Name	Type of Class	Semesters	Number of Students
AREN 4506	Preconstruction Estimating and Scheduling	Undergraduate Elective	Fall 2014	34
			Spring 2015	24
			Fall 2015	27
			Fall 2017	40
			Fall 2018	47
			Fall 2019	51
AREN 4466	Construction Planning and Scheduling	Undergraduate Elective	Fall 2010	44
			Fall 2011	67
			Fall 2012	52
			Fall 2013	36
CVEN 5206	Design-Build Development	Graduate Elective	Spring 2012	21
			Spring 2013	18
CVEN 5346	Managing Projects and Organizations	Graduate Requirement	Spring 2011	16
			Fall 2012	19
			Fall 2013	12
			Fall 2014	12
			Spring 2016	21
			Spring 2018	14
			Spring 2019	14
			Spring 2020	14
			Spring 2021	18
CVEN 5836	Global Projects and Organizations	Graduate Requirement	Spring 2010	14

STUDENT ADVISING

(All titles shortened to encompass main ideas for brevity)

*Collaboratively advised/chaired; +Co-Chaired; ¹MS thesis option; ²MS report option

Current Graduate Student Committees Chaired (6)

Goldwyn, Briar	PhD*	“DRR in informal construction”	Expected 2022
Venturra, Rebecca	PhD*	“Aspirational Sanitation”	Expected 2023
Stine, Emma	PhD	“Decolonization & Humanitarian Engineering”	Expected 2023
Wells, Emma	PhD*	“Pathways to safe water quality”	Expected 2024
Ellergy, Megan	PhD	“School safety in multi-hazard contexts”	Expected 2025
Siddiq, Ilham	PhD	“Evacuation Planning and Behavior”	Expected 2022

Former Graduate Student Committees Chaired* (28: 19 PhD, 13 MS)

Cord, Caleb	PhD*	“Preventive Maintenance for WASH”	Graduated 2021
Chintalapati, Pranav	PhD ⁺	“Systems based preventive maintenance”	Graduated 2021
Pugel, Kimberly	PhD	“Collective approaches for WASH”	Graduated 2021
Harper, James	PhD ⁺	“Behavior Change & FSM”	Graduated 2020
Venable, Casie	PhD*	“Post-Disaster Housing Safety and Resiliency”	Graduated 2020
Tracy, Andrew	PhD	“Induced Seismicity and Information Networks”	Graduated 2020
Palagi, Shaye	PhD	“Relocation and Infrastructure Resiliency”	Graduated 2020
Valcourt, Nicholas	PhD	“WASH Systems Analysis”	Graduated 2019
Davis, Allie	PhD*	“Sustainable Sanitation Systems”	Graduated 2019
Belenguer Alejandro	MS ²	“Implementation of Lessons Learned Program”	Graduated 2018
Arneson, Erin	PhD*	“Construction Capacity”	Graduated 2018
Olearts, Liesbet	MS ¹⁺	“P3 for WASH Service Sustainability”	Graduated 2018
Poleacovschi, Cristina	PhD	“Knowledge Governance”	Graduated 2017
Opdyke, Aaron	PhD	“Post-disaster infrastructure construction”	Graduated 2017
Zerio, Alex.	MS ¹	“Learning Styles and Post-disaster Training”	Graduated 2017
Antillon, Eric	PhD*	“P3’s and Life-cycle decision-making”	Graduated 2016
Beatelmal, Wesam	PhD*	“Asset Management in Developing Countries”	Graduated 2016
Walters, Jeff	PhD*	“Sustainable Systems: Rural Water”	Graduated 2015
Lepropre, Florence	MS ¹	Post-disaster Coordination Networks	Graduated 2015
Litchfield, Kaitlin	PhD	“Gender, Identity and Engineering”	Graduated 2014
Wanberg, John	PhD	“CoPs & Knowledge Mobilization”	Graduated 2014
Anderson, Barbara	MS ¹	“Post-disaster NGO coordination”	Graduated 2014
Kaminsky, Jessica	PhD	“Sustainable Sanitation”	Graduated 2013
Jordan, Elizabeth	PhD	“Pathways to Community Recovery”	Graduated 2013
Berteaux, Florence	MS ¹	“Adaptation vs. Integration”	Graduated 2013
Choi, Jung Kue	MS ²	“Real Estate Challenges of Songdo City”	Graduated 2013
Senei, Maryam	MS ¹	“Generation spanning Knowledge Exchange”	Graduated 2012
Senesi, Christopher	MS ¹	“Probabilistic Controls”	Graduated 2012
Arnold, Paul	MS ¹	“Project Wide Access”	Graduated 2011
Alrakhayes, Shahed	MS ²	“Enterprise Risk Management”	Graduated 2011

La Ratta, Anna	MS ¹	“Project Scope Management” University of Calabria, Italy (Co-Advisor)	Graduated 2011
Jouandou, Remi	MS ¹	“Probabilistic Controls”	Graduated 2010

Graduate Committee Participation (other than primary advisor)

Past Graduates (24)

Murray, Barbara (Polly)	PhD	University of Colorado Boulder	Graduated 2021
Chambers, Katie	PhD	University of Colorado Boulder	Graduated 2021
Komarek, Rebecca	PhD	University of Colorado Boulder	Graduated 2020
Bittel, Elizabeth	PhD	University of Colorado Boulder	Graduated 2019
Zelinka, David	PhD	University of Colorado Boulder	Graduated 2019
Kwiatkowski, Kyle	PhD	University of Colorado Boulder	Graduated 2017
Albattah, Mohammed	PhD	University of Colorado Boulder	Graduated 2016
Myers, Beth	PhD	University of Colorado Boulder	Graduated 2016
Forbes, Marissa	PhD	University of Colorado Boulder	Graduated 2016
Rulifson, Greg	PhD	University of Colorado Boulder	Graduated 2015
France, Todd	PhD	University of Colorado Boulder	Graduated 2015
Harper, Chris	PhD	University of Colorado Boulder	Graduated 2014
Booth, Emily	MS ²	University of Colorado Boulder	Graduated 2014
Canney, Nathan	PhD	University of Colorado Boulder	Graduated 2013
Sobin, Nat	PhD	University of Colorado Boulder	Graduated 2013
Alsamadani, Rayyan	PhD	University of Colorado Boulder	Graduated 2013
Chatterley, Christie	PhD	University of Colorado Boulder	Graduated 2013
Tixior, Antoine	MS ¹	University of Colorado Boulder	Graduated 2013
O’Brien, John	PhD	University of Colorado Boulder	Graduated 2012
Crawford, Mac	MS ¹	University of Colorado Boulder	Graduated 2012
Baud, Kevin	MS ¹	University of Colorado Boulder	Graduated 2012
Matsumura, Kristen	MS ¹	University of Colorado Boulder	Graduated 2012
Issa, Ibrahim	MS ²	University of Colorado Boulder	Graduated 2011
Roucheray, Marielle	MS ²	University of Colorado Boulder	Graduated 2011
Morales, Arturo	MS ¹	University of Colorado Boulder	Graduated 2011
Chi, Shu Fang	PhD	Stanford University	Graduated 2011

Current Students (3)

Libey, Anna	PhD	University of Colorado Boulder	2019 – Current
Holland, Melanie	PhD	University of Colorado Boulder	2021 – Current
Kirsch, Kathleen	PhD	University of Colorado Boulder	2021 – Current
Galotti, Victor	PhD	University of Colorado Boulder	2021 – Current

Undergraduate Research Advising (32 students)

Velasquez, Cole	DLA	Communication intervention for safe housing	2021 - Current
Chang, Caroline	DLA	Humanitarian Eng. Community in Discord	2021 - Current
McReynolds, Desmond	SPUR	Citation Justice in JCEM	2021
González, Yarelis	REU	Contractors perceptions of housing safety	2019-2021

Spangler, Ava	DLA	Institutions and Preventive Maintenance	2020-2021
Sandifer, Eleanor	DLA	Collective Action for sustained WASH	2019-2020
Johnson, Kate	DLA	Understanding perceptions of safe housing	2019-2020
Fink, Eliza	DLA	Preventive Maintenance for Sustained Service	2019-2020
Shakir, Nadir	DLA	FSM	2018-2019
Gray, Kathryn	DLA	"Resettlements: Holistic Recovery?"	2018-2019
Hendricks, Jess	DLA	"Lightly Engineered Shelter Screening Tool"	2018-2019
Buckley, Shelby	URA	"Human Behavior and FSM"	2018
Golec, Tesia	DLA	"Success and Failure of Sanitation in India"	2017-2018
Lannis, Alexi	DLA	"WASH Factor Systems"	2017-2018
Berger, Joel	DLA	"Post-Disaster Shelter Performance"	2017-2018
Eiss, Sydney	DLA	"Resilience in Resettlement Sites"	2017-2018
Gebremedhin, Mussie	URA	"(f)actor systems in WASH"	2017-2018
Thompson, Vanessa	URA	"Sustainable Sanitation in India"	2017
Riley, Austin	DLA	"Decision-making for Disaster Risk Reduction"	2016-2017
Geer, Garret	DLA	"Sustainable Sanitation in India"	2016-2017
Klucik, Rudolf	URA	"Webcrawling: Induced Seismicity Networks"	2016-2017
Baummer, Devon	DLA	"Information Seeking around Induced Seismicity"	2016-2017
Thomas, Whitney	URA	"Construction supply chain Capacity"	2015-2016
Grunwald, Bryn	URA	"Post-disaster construction training"	2015-2016
Moench, Hannah	URA	"Post-disaster coordination in the Philippines"	2015-2016
Goddard, Haley	URA	"Knowledge Governance"	2014-2016
Fohrman, Maya	URA	"Post-disaster coordination in the Philippines"	2014
Palagi, Shaye	DLA	"Disaster Recovery in Sri Lanka"	2013-2015
Watcher, Alayna	REU	"EWB Project Team Structure"	2012-2015
Bryne, Jessica	URA	"Expected Outcomes in an Engineering"	2012-2014
Walker, Amanda	URA	"Boundary-spanning knowledge sharing"	2012- 2013
Havener, Celeste	DLA	"Disaster Recovery in Communities"	2012- 2013
Patel, Smit	DLA	"Time Zones, Boundaries and Knowledge"	2012- 2013
Casias, Casey	DLA	"EWB and Me"	2011-2012
Kapatayes, Christin	DLA	"Global Organizations: Knowledge Networks"	2010-2011

STUDENT AWARDS

Siddiq, Ilham	USAID/OFDA Graduate Student Fellowship	2022
Venable, Casie	USAID/OFDA Graduate Student Fellowship	2019
Davis, Allie	Rotary District 5450 Grant	2019
Harper, James	Rotary District 5450 Grant	2019
Harper, James	Research and Innovation Week 1st Place Poster	2019
Eiss, Sydney	Best Paper Award, Natural Hazards Society	2018
Pugel, Kimberly	Best Presentation Award, EPOC	2018
Venable, Casie	ASCE New Faces of Civil Engineering	2018
Davis, Allie	Beverly Sears Graduate Student Grant	2018

Pugel, Kimberly	Dean's Assistantship for Excellence	2017
Palagi, Shaye	USAID/OFDA Graduate Student Fellowship	2017
Palagi, Shaye	NSF GRFP	2017
Opdyke, Aaron	USAID/OFDA Graduate Student Fellowship	2016
Opdyke, Aaron	Best Paper Award, EPOC 2016	2016
Davis, Allie	MCEDC Fellowship	2015-2016
Davis, Allie	Dean's Fellowship	2015
Poleacovschi, Cristina	Best Paper Award, EPOC 2015	2015
Poleacovschi, Cristina	CII Best Poster Award	2015
Palagi, Shaye	Dean's Assistantship for Excellence	2015
Walters, Jeff	Outstanding Poster Award, EPOC	2014
Arneson, Erin	CEAE Graduate Fellowship	2014
Poleacovschi, Christina	AACE Scholarship	2014
Palagi, Shaye	CEAE, DLA Best Poster Award	2014
Poleacovschi, Christina	Deans Fellowship	2013
Poleacovschi, Christina	CEAE Graduate Fellowship	2013
Kaminsky, Jessica	Outstanding PhD Student, EPOC	2013
Litchfield, Kaitlin	MC-EDC Fellowship	2012
Wanberg, John	CII Poster Selection Invite	2012
Kaminsky, Jessica	EPA STAR Fellowship	2011-2014
Kaminsky, Jessica	MC-EDC Fellowship	2011
Kaminsky, Jessica	Deans Fellowship	2010-2011
Kaminsky, Jessica	EWB Fellowship	2011
Kaminsky, Jessica	CEAE Graduate Fellowship	2010-2012
Jordan, Elizabeth	Deans Fellowship	2010-2011
Jordan, Elizabeth	Outstanding PhD Student, EPOC	2011
Jordan, Elizabeth	MC-EDC RA	2011
Chatterley, Christie	Water and Health 2011 Scholarship	2011

SERVICE ACTIVITIES

Editor:

Editor, PLOS Water (2021-Current)

Editorial Board, Journal of Construction Management and Economics (2019-Current)

Editor, Journal of Construction Management and Economics (2016-2019)

Assistant Specialty Editor, Journal of Construction Engineering and Management (2011-2016)

Special Issue Editor:

Co-Editor, Special Issue: "Festschrift Issue in tribute of Ray Levitt" (2020), Journal of Construction Management and Economics. 38(4).

Co-Editor, Special Issue: Sheltering and Housing Displaced Populations, Sustainability

Peer Review:

Earthquake Spectra (2019-present)

Habitat (2019-present)

Water (2019-present)
Sustainability (2019-present)
International Journal of Disaster Risk Reduction (2018-present)
Habitat (2018-present)
Natural Hazards Review (2016-present)
Engineering Management Journal (2014-present)
International Journal of Project Management (2014-present)
Environmental Science and Technology (2014-present)
Journal of Engineering Education (2014-present)
Canadian Journal of Civil Engineering (2014-present)
Journal of Automation in Construction (2012-present)
Journal of Construction Engineering and Management (2009-present)
Journal of Construction Management and Economics (2009-present)
Journal of Management in Engineering (2009-present)
Journal of Professional Issues in Engineering Education and Practice (2013-present)
ASCE Construction Research Congress (2009, 2010, 2012, 2015, 2016, 2020)
Engineering Project Organizations Conference (2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020)
National Science Foundation panel and desk reviewer (2009-present)
ASCE Sustainable Built Environment Proceedings (2011)
ASEM Proceedings (2010)
ASCE Book Publication, MegaProjects (2011)
Engineering News Record (ENR) Best Projects Judge (2012)
Hong Kong Research Council reviewer (2012)
Qatar Research Foundation reviewer (2013)

Conference Session Chair:

2019 Engineering Project Organizations Conference (EPOC), Conference Co-Chair, Vail, Colorado
2019 Academic-Practitioner Collaborative Research. Forum, Washington, DC
2017 Engineering Project Organizations Conference (EPOC), Technical Committee, Stanford, California
2016 Engineering Project Organizations Conference (EPOC) Technical Committee, Cle Elum, Washington
2016 Construction Research Congress (CRC) Technical Committee and CII Track Chair, Puerto Rico
2015 International Construction Specialty Conference (ICSC) Technical Committee and CII Track Chair, Vancouver, BC
2014 ASCE Construction Research Congress, Atlanta, GA (Organizational Issues Track Chair)
2013 Engineering Project Organizations Conference, Granby CO
2012 Engineering Project Organizations Conference, Conference Technical Chair, Netherlands
2012 ASCE Construction Research Congress, West Lafayette, IN (Organizational and Labor Issues Track Chair)
2011 Engineering Project Organizations Conference, Estes Park, CO (Organizations Track Chair)

Committee Participation:National

Humanitarian Shelter and Settlements Academic/Practitioner Steering Committee, Interaction (2019-current)

2019 Academic-Practitioner Collaborative Research Forum, funded by USAID, Washington, DC, Planner and Panelist

NAE 12-member panel to “Understanding the Engineering Education—Workforce Continuum” (2013-2018)

Construction Industry Institute, Academic Leadership Committee & Chair of CII Academic Conference Sessions (2014-2016)

Engineering News Record Outstanding Projects Judge, Mountain Region (2012)

ASCE Construction Research Council (2009-present)

ASCE Sustainable Engineering Design Reference Guide, Social Dimensions (2011-2012)

Construction Industry Institute, Academic Committee (2010-2016)

Construction Industry Institute, Poster Committee and Judge (2010-2013)

Construction Industry Institute, Global Community of Practice, Academic Co-Chair (2012-2016)

Building Futures Council (2010-2011)

Project Management Institute (2009-2011)

American Society of Civil Engineers (2008-present)

Design Build Institute of America (2008-2009)

United States Green Building Council (2005-2009)

Engineering Project Organizations Society (EPOS) (2009-present)

Young Americas Coordinator, EPOS (2010-2016)

College/University

Inclusive Culture Committee (2021-present)

Academic Leadership Institute (2020-present)

College of Engineering and Applied Science Dean’s Search Committee (2019-present)

Academic Affairs Advisory Committee (2017- 2020)

Associate Director, Mortenson Center in Global Engineering (2015-present)

Campus Listener, Academic Futures (2017- 2019)

Faculty Leadership Affairs Group (FLAG), CEAS (2015-2017)

Boulder Faculty Affairs Leadership Committee (2014-2015)

Gold Shirt Program (2011-2019)

Football Recruiting (2012-2013)

High School Honors Institute (2010)

Global Development Planning Cohort, University of Colorado-Boulder (2012-2016)

Department

Justice, Equity, Diversity, and Inclusion (JEDI) Committee, Department of Civil, Environmental, and Architectural Engineering (2021-present)

Executive Committee, Department of Civil, Environmental, and Architectural Engineering, University of Colorado (2020-present)

Curriculum Committee, Department of Civil, Environmental, and Architectural Engineering, University of Colorado (2017-present)

Bylaws and Climate Committee (2018-present)
Mentoring Committee, Department of Civil, Environmental, and Architectural Engineering,
University of Colorado (2017-present)
EDC Faculty Search Committee, Department of Civil, Environmental, and Architectural
Engineering, University of Colorado (2017-2018)
Civil Systems Group Leader, Department of Civil, Environmental, and Architectural Engineering,
University of Colorado (2017-2019)
EDC Instructor Search Committee, Department of Civil, Environmental, and Architectural
Engineering, University of Colorado (2017)
CEAE Faculty Search Committee, Department of Civil, Environmental, and Architectural
Engineering, University of Colorado (2015-2016)
Graduate Committee, Department of Civil, Environmental, and Architectural Engineering,
University of Colorado (2010-2012; 2014-2016)
Curriculum Committee, Department of Civil, Environmental, and Architectural Engineering,
University of Colorado (2012-2014)
Awards Committee, Department of Civil, Environmental, and Architectural Engineering,
University of Colorado (2010-2011)
Construction Engineering and Management Program Faculty Search Committee, Department of
Civil, Environmental, and Architectural Engineering, University of Colorado (2011-2012)
Chi Epsilon Faculty Advisor (2011-2013)
Scribe for CEAE Meetings (2010)
Chi Epsilon (1997-present)