

## **AMY JAVERNICK-WILL, Ph.D.**

Associate Professor

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

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### **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**

- 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  
Collaboratory for Research on Global Projects
- 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**

Knowledge Mobilization, Disaster Recovery, Globalization, Social Sustainability of Infrastructure

## **MERIT-BASED AWARDS AND HONORS**

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-present)  
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)  
Outstanding Presentation, Engineering Project Organizations Conference (EPOC) Conference (2011)  
University of Colorado Boulder ‘Women Who Make a Difference Award’ (2010)  
NSF Travel Fellowship to Attend Virginia Tech Construction Engineering Conference (2010)  
ASCE ExCEED 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 **Amy Javernick-Will** (2015). "Pathways to Livelihood Recovery: a Study of Tsunami-Affected Communities in Tamil Nadu, India," in Michèle Companion, ed. forthcoming 2015. *Disasters' Impact on Livelihood and Cultural Survival: Losses, Opportunities, and Mitigation*. Boca Raton, FL: CRC Press. Chapter 13.
- [B2] **Javernick-Will, Amy** 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, Amy** and Timo 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

[J41]

- [J40] Deniz, D., Arneson, E., Liel, A., Dashti, S., and **A. Javernick-Will** (2016). "Flood Loss Models for Residential Buildings Based on the 2013 Colorado Floods". *Natural Hazards*. 10.1007/s11069-016-2615-3.

- [J39] Litchfield, K. and **A. Javernick-Will** (2016). "Socially Engaged Engineers' Career Interests and Experiences: A Miner's Canary". *Journal of Professional Issues in Engineering Education*. 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 Hazard*:10.1007/s11069-016-2489-4.

- [J37] Poleacovschi, C. and **A. Javernick-Will**. (2016). "Spanning Knowledge Across Subgroups and Its Effects on Individual Performance". *Journal of Management in Engineering*. DOI: 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): 70-92. DOI: 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): 393-4166. DOI: 10.1002/jee.20102
- [J33] Wanberg, J., **Javernick-Will, A.**, Taylor, J. and P. Chinowsky (2015). “A Useful Knot or a Deadly Noose?: The Effects of Organizational Divisions on Informal Knowledge Sharing Networks”. *Engineering Project Organizations Journal* DOI: 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): 358-367. DOI: 10.1080/13504509.2015.1053999
- [J31] Jordan, E., **Javernick-Will, A.**, and B. Amadei (2015). “Post-Disaster Reconstruction: Lessons from Nagapattinam District, India”. *Development in Practice* 25(4): 518-534. DOI: 10.1080/09614524.2015.1028334
- [J30] Senesi, C., **Javernick-Will, A.**, and K. Molenaar (2015). “Benefits and Barriers to Applying Probabilistic Risk Analysis on Engineering and Construction Projects”. *Engineering Management Journal* 27(2): 2449-2458. DOI:10.1080/10429247.2015.1035965
- [J29] Walters, J. and **A. Javernick-Will** (2015). “Long-term functionality of rural water services in developing countries: A system dynamics approach to understanding the dynamic interaction of factors”. *Environmental Science and Technology*. Published (Online): March 16, 2015. DOI: 10.1021/es505975h
- [J28] Berteaux, F. and **A. Javernick-Will** (2015). “Adaptation and Integration for Multinational Project-Based Organizations”. *Journal of Management in Engineering*. Published (Online): March 6, 2015. DOI: 10.1061/(ASCE)ME.1943-5479.00003666, 0415008.
- [J27] Wanberg, J., **Javernick-Will, A.**, Taylor, J. and P. Chinowsky (2015). “Spanning Cultural and Geographic Barriers with Knowledge Pipelines in Multi-national Communities of Practice”. *Journal of Construction Engineering and Management* 141(4):04014091-1 – 04014091-10 DOI: 10.1061/(ASCE)CO.1943-7862.0000955
- [J26] Jordan, E. and **A. Javernick-Will** (2014). “Determining Causal Factors of Community Recovery”. *International Journal of Mass Emergencies and Disasters* 32(3): 405-427.
- [J25] Jordan, E., **Javernick-Will, A.** and B. Amadei (2014). A Qualitative Comparative Analysis of Neighborhood Recovery Following Hurricane Katrina. *International Journal of Disaster Resilience in the Built Environment*. 5(4): 391-412<sup>1</sup>. DOI: <http://dx.doi.org/10.1108/IJDRBE-03-2013-0006>
- [J24] Kaminsky, J. and **A. Javernick-Will** (2014). “The Internal Social Sustainability of Sanitation Organizations”. *Environmental Science and Technology* 48(17): 10028-10035. Published online: August 7, 2014. DOI: 10.1021/es501608p
- [J23] Kaminsky, J. and **A. Javernick-Will** (2015). “Theorizing the Internal Social Sustainability of Sanitation Organizations”. *Journal of Construction Engineering and Management*, 141(2): 04014071-1 – 04014071-10. DOI: 10.1061/(ASCE)CO.1943-7862.0000933

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<sup>1</sup> Honorary Commended Paper Award

- [J22] Litchfield, K., Javernick-Will, A. and K. Patterson (2014). “Exploring EWB-USA Members’ Descriptions of Self, Engineers, and their Fellow Members”. *International Journal of Service Learning in Engineering* 9(1): 24-39.
- [J21] Chatterley, C.\*, **Javernick-Will, A.**, Linden, K., Alam, K., Bottinelli, L., and M. Venkatesh, (2014). “A qualitative comparative analysis of well-managed school sanitation in Bangladesh”. *BMC Public Health* 14(6): 1-16. Published: 8 January 2014 DOI:10.1186/1471-2458-14-6
- [J20] Litchfield, K., and **A. Javernick-Will** (2014). "Investigating Gains from EWB-USA Involvement". *Journal of Professional Issues in Engineering Education and Practice*, 140(1): 04013008-1 – 04013008-9. DOI: 10.1061/(ASCE)EI.1943-5541.0000181
- [J19] Chatterley, C.\*, Linden, K.G., and **A. Javernick-Will** (2013). “Identifying Drivers of Sustainable School Sanitation in Belize”. *Journal of Water, Sanitation and Hygiene for Development* 3(3): 441-422. DOI:10.2166/washdev.2013.128
- [J18] **Javernick-Will, A.** (2013). “Local Embeddedness and Knowledge Management Strategies for Project-Based Multi-National Firms”. *Engineering Management Journal* 25(3): 16-26. DOI: 10.1080/10429247.2013.11431979
- [J17] Kaminsky, J. and **A. Javernick-Will**. (2013) “Contested Factors for Sustainability: The Construction and Management of Onsite Wastewater Treatment Systems”. *Journal of Construction Engineering and Management* 139(12): A4013004-1 – A40134-9. DOI: 10.1061/(ASCE)CO.1943-7862.0000757
- [J16] Sanei, M., **Javernick-Will, A.** and P. Chinowsky (2013). “Transferring Knowledge within and between Generations in Communities of Practice”. *Construction Management and Economics* 31(9): 991-1004.
- [J15] Molenaar, K., **Javernick-Will, A.**, Bastias, A., Wardwell, M. and K. Saller (2013). “Construction Project Peer Reviews as an Early Indicator of Project Success”. *Journal of Management in Engineering*, 29(4): 327-333. DOI: 10.1061/(ASCE)ME.1943-5479.0000149
- [J14] Alsamadani, R.\*, Hallowell, M. and **A. Javernick-Will** (2013). “Measuring and Modeling Safety Communication in Small Work Crews in the US using Social Network Analysis”. *Construction Management and Economics* 31(6): 568-579. DOI: 10.1080/01446193.2012.685486
- [J13] Alsamadani, R\* , Hallowell, M., **Javernick-Will, A.** and J. Cabello. (2013). “Relationships among Language Proficiency, Communication Patterns and Safety Performance in Small Work Crews in the US”. *Journal of Construction Engineering and Management* 139(9): 1125-1134. DOI: 10.1061/(ASCE)CO .1943-7862.0000724
- [J12] Arnold, P., and **A. Javernick-Will** (2013). “Project Wide Access: The Key to Effective Construction Information Communication Technology Platforms”. *Journal of Construction Engineering and Management* 139(5): 510-518.
- [J11] Jordan, E., and **A. Javernick-Will** (2013). “Indicators of Community Recovery: A Content Analysis and Delphi Approach”. *Natural Hazards Review* 14(1): 21-28. DOI: 10.1061/(ASCE)NH.1527-6996.0000087.
- [J10] Levitt, R.†, Wang, C.M., Ping Ho, S. and **A. Javernick-Will** (2013). “Encouraging Knowledge Sharing in Engineering Firms, Part (II): Game Theory Analysis and Firm

- Strategies.” *Engineering Project Organization Journal* 3(1): 22-31. DOI: 10.1080/21573727.2012.683413
- [J9] Levitt, R.†, Wang, C.M., Ping Ho, S., and **A. Javernick-Will** (2012). “Encouraging Knowledge Sharing in Engineering Firms- Part I: Incentives, Disincentives, and the Impacts of Firm Context”. *Engineering Project Organization Journal* 2(4): 231-239. DOI:10.1080/21573727.2012.683412
- [J8] **Javernick-Will, A.** (2012). "Motivating Knowledge Sharing in Engineering and Construction Organizations: The Power of Social Motivations." *Journal of management in engineering*, 28(2):193-202. DOI: 10.1061/(ASCE)ME.1943-5479.0000076
- [J7] Zerjav, V.\*, Hartmann, T. and **A. Javernick-Will** (2012). "Internal Governance of Design and Engineering: Case of the Multinational Firm." *Journal of Construction Engineering and Management*, 138(1):135-143. DOI: 10.1061/(ASCE)CO.1943-7862.0000417
- [J6] Jordan, E., Gross, M., **Javernick-Will, A.** and Garvin, M. (2011) “Use and mis-use of Qualitative Comparative Analysis: A Promising Approach for Construction Research”. *Construction Management and Economics*, 29(11): 59-1173. DOI:10.1080/01446193.2011.640339
- [J5] **Javernick-Will, A.** (2011) “Knowledge-Sharing Connections across Geographical Boundaries in Global Intra-firm Networks”. *Engineering Project Organizations Journal* 1(4):239-253. DOI:10.1080/21573727.2011.613458
- [J4] Chi, S.F.\* and **A. Javernick-Will** (2011). "Institutional Effects on Project Arrangement: High-Speed Rail Projects in China and Taiwan." *Construction Management and Economics* 29(6): 595-611. DOI:10.1080/01446193.2011.569734
- [J3] **Javernick-Will, A.** and W. R. Scott (2010). "Who Needs to Know What? Institutional Knowledge and International Projects." *Journal of Construction Engineering and Management* 136(5): 546-557. DOI: 10.1061/ASCECO.1943-7862.0000035
- [J2] **Javernick-Will, A.**, and R. E. Levitt† (2010). "Mobilizing Institutional Knowledge for International Projects." *Journal of Construction Engineering and Management* 136(4): 430-441. DOI: 10.1061/(ASCE)CO.1943-7862.0000110
- [J1] **Javernick-Will, A.** (2009). “Organizational Learning during Internationalization: Acquiring Local Institutional Knowledge”. *Construction Management and Economics* 27(8): 783-797. DOI: 10.1080/01446190903117801

## PEER-REVIEWED JOURNAL ARTICLES ACCEPTED

- [JX] Corvello, V., **Javernick-Will, A.** and A. La Ratta\*. “Routine Project Scope Management in Small Construction Enterprises”. *International Journal of Project Organization and Management* (Initial Submission: 09/2014; Available online: 07/2015).
- [JX] Antillon, E., Molenaar, K., and **A. Javernick-Will**. “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*. (Initial submission: 12/2015; Accepted 08/2016).

- [JX] Koschman, M., Kopczynski, J., Opdyke, A., and **A. Javernick-Will**. Practicing authority in disaster relief coordination. *Electronic Journal of Communication*. (Initial submission: 01/2016; Accepted: 09/2016).
- [JX] Opdyke A., Lepropre, F., **Javernick-Will, A.** and M. Koschmann. “Inter-organizational resource coordination in post-disaster infrastructure recovery.”. Submitted to: *Construction Management and Economics* for the Special Issue on Social Networks in Construction (Initial Submission: 11/2015; Accepted: 10/2016).

## PEER-REVIEWED JOURNAL ARTICLES SUBMITTED

- [JS7] Opdyke, A., **Javernick-Will, A.**, and Matthew Koschmann. “Infrastructure Hazards Resilience Trends: An Analysis of 25 Years of Research”. Submitted to: *Natural Hazards* (Initial Submission: 08/2016).
- [JS6] Zerio, A., Opdyke, A., and **A. Javernick-Will**. “Characterizing Post-Disaster Reconstruction Training Methods and Learning Styles”. Submitted to: *Engineering Project Organization Journal*. (Initial Submission: 08/2016).
- [JS5] Poleacovschi, C., and **A. Javernick-Will**. “Assessing expertise in construction and engineering organizations”. Submitted to: *Journal of Construction Engineering and Management*. (Initial Submission: 07/2016).
- [JS4] Arneson, E., Deniz, D., **Javernick-Will, A.**, Liel, A., and S. Dashti. “Information Deficits and Post-Disaster Recovery”. Submitted to: *Natural Hazards Review* (Initial Submission: 04/2016).
- [JS3] Beitelmal, W., Molenaar, K., **Javernick-Will, A.** and E. Pellicer. “The Influence of Country Context on Barriers to Establishing Infrastructure Asset Management: A Comparison Study between Libya and the United States”. Submitted to: *Engineering, Construction and Architectural Management*. (Initial Submission: 12/2015).
- [JS2] Poleacovschi, C., **Javernick-Will, A.**, and T. Tong. “Do weak or strong ties matter in knowledge sharing networks?”. Abstract submitted to: *Construction Management and Economics* for the Special Issue on Social Networks in Construction. (Initial Submission: 11/2015).

## RESEARCH REPORTS AND OTHER WORK

- [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. “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.
- [RR4] **Javernick-Will, A.**, Mohammadi, N., Taylor, J., Gibson, S., Duncan, R. and Felton, S. “Maximizing Virtual Team Performance in the Construction Industry”. *CII Research Summary RS326-1*. Construction Industry Institute, Austin, TX, May 2016.
- [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 PUBLISHED

- [C59] Palagi, S., and **A. Javernick-Will** (2016). “(Ostensibly) Invulnerable Distances: Investigating the Role of Post-Disaster Relocation for Holistic Risk Reduction” *Proceedings of the 4<sup>th</sup> 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.
- [C57] Linden, K., **Javernick-Will, A.**, Amadei, B., Klees, K., and Sandekian, R. "Engineering in Developing Communities: Curriculum Development around Graduate Certificate and 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.<sup>2</sup>
- [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.

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<sup>2</sup> Best Paper Award



- [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.
- [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.<sup>3</sup>
- [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.

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<sup>3</sup> Best Paper Award

- [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.
- [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.<sup>4</sup>
- [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.<sup>5</sup>
- [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.<sup>6</sup>
- [C9] Jordan, E., **Javernick-Will A.**, and Bernard Amadei (2011). Pathways to Community Recovery and Resiliency. *2011 EPOC Conference*. Estes Park, Colorado, August 2011.<sup>7</sup>

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<sup>4</sup> Best Paper Award

<sup>5</sup> Best Paper Award

<sup>6</sup> Best Presentation Award

<sup>7</sup> 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.<sup>8</sup>

## OTHER CONFERENCE PROCEEDINGS

- [C1] Zerjav, V.\* and **Amy Javernick-Will** (2009). “Identifying Key Characteristics of Distributed Design and Engineering Work through Exploratory Research”. *Association of Researchers in Construction Management (ARCOM) Doctoral Workshop*, Liverpool, UK, May 2009.

## INVITED PROFESSIONAL PRESENTATIONS

- [P18] Department of Energy, “Network Strategies to enhance Organizational Knowledge Sharing”, University of Colorado Boulder, August 2016
- [P17] “Frontiers in Disaster Research: Resilient Infrastructure and Communities”, Georgia Tech, January 2016.
- [P16] “Social Network Analysis in Civil Infrastructure Systems”, CU-Boulder, November 2015.
- [P15] “Exploring Engineers of the Future through Engineers without Borders”, Plenary, National Academy of Engineering, 2015 Frontiers of Engineering Education Symposium, October 2015.
- [P14] “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”, February 2015.

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<sup>8</sup> Best Paper Award

- [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] “How well is your organization exchanging knowledge globally?”. *CII GCOP (Construction Industry Institute Global Community of Practice)*. Virtual Meeting, July 2013.
- [P8] “Managing the Design Process for Design-Build Projects”. *COAA (Construction Owner’s Association) Conference*. Atlanta, GA, May 2013.
- [P7] “Predicting Project and Organizational Outcomes using Network Analysis”. *NWCCC (Northwest Construction Consumer Council) Conference*. Seattle, WA, November 2012. [due to scheduling conflicts, my PhD student John Wanberg presented this talk]
- [P6] “Measuring Community Resilience and Post-Disaster Recovery”. *USAID (United States Agency for International Development) Post-Disaster Infrastructure Reconstruction Workshop*, Washington DC, December 2012.
- [P5] “Future Directions in Organizational Memory”. *Organization Science Winter Conference*, Steamboat Springs, CO, February 2011.
- [P4] “Understanding Knowledge Acquisition and Transfer for Global Development, Contracting and Engineering Firms”. *Indian Institute of Technology*, Chennai, India, April 2008.
- [P3] “Knowledge Transfer for firms engaged in International Projects”. *Helsinki University of Technology*, Helsinki, Finland, February 2008.
- [P2] “Environmental Protection Agency Region 8 Headquarters”. *USGBC Greenbuild 2006*, Denver, CO, November 2006.
- [P1] “Sustainable Development” with Shane Brady, US EPA; Cathy Berlow, US EPA; Courtney France, AEC. *2006 National Workshop on State Building Energy Codes*, U.S. Department of Energy, Denver, CO, August 2006.

## PROFESSIONAL DEVELOPMENT

*Penn State PACE, Innovation Research Roadmapping Workshop*, June 2015.

*National Science Foundation IDEAS Lab*, Virginia, March 2014.

*Presenting Data and Information*, Edward Tufte in Denver, CO for Friday, July 20, 2012

*ASCE ExCEED Teaching Workshop*, Hosted by the University of Colorado at Boulder, CO, July 10-15, 2010.

*National Science Foundation CAREER Workshop*, Hosted by the University of Connecticut, Hartford, CT, April 3-5, 2011.

*National Science Foundation Construction Engineering Conference*, Virginia Tech, Blacksburg, VA, 2010.

## FUNDED RESEARCH PROJECTS

### Under Review

- [PR3] National Science Foundation, Sustainable Infrastructure Systems and Processes: Improving Resource Recovery Acceptance and Life Cycle Performance (I-RAP). \$302,709. 4/1/17-3/31/20. PI: Amy Javernick-Will; Co-PI: Sherri Cook.
- [PR2] National Science Foundation, Infrastructure Management in Extreme Events (IMEE),

Collaborative Research: Achieving Holistic Risk Reduction: Decision Processes for Resettlement, Reconstruction, and Recovery (DPR3). \$299,756. 4/1/17-3/31/20. PI: Amy Javernick-Will; Co-PIs: Ali Mostafavi and Leah Sprain.

### In Progress

- [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, \$15,329,049. 10/1/16-9/30/21. PI: Karl Linden. Co-PI: Amy Javernick-Will.
- [R15] Office of Postsecondary Education (OPE): Graduate Areas of National Need (GAANN)—Engineering Community Resilience. Program CFDS Number 84.200A. \$885,834, 8/15/15-08/14/18. Role: co-PI.
- [R14] National Science Foundation, Hazards SEES: The Risk Landscape of Earthquakes Induced by Deep Wastewater Injection, Co-PI, \$2,997,112, September 2015-August 2019. PI: Abbie Liel; Role: co-PI.
- [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 [CU: \$300,101]. September 2014-August 2017.
- [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 [CU: \$301,695], September 2014-August 2017.
- [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 [CU:\$100,000].
- [R7] National Science Foundation, REU Supplement: Investigating the Structure of EWB-USA project teams, \$17,494 [CU: \$17,494].
- [R4] National Science Foundation, REE, “Collaborative Research: Gender Diversity, Identity and EWB-USA”, PI: Javernick-Will, co-PI: Cathy Leslie, \$268,138 [CU: \$256,869], September 2011-December 2016.

### Completed

- [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 [CU: \$299,219]. October 2014-September 2015.
- [R10] Construction Industry Institute (CII), “RTS#3 – Can We Utilize NextGen Experience to Maximize Virtual Team Performance?”, PIs: John (JT) Taylor, Amy Javernick-Will. \$231,160 [CU: \$58,162]. May 2014-September 2016.
- [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 [CU:\$74,967], September 2013-August 2014.
- [R6] National Science Foundation, IMEE, “A Qualitative Comparative Analysis of Community Recovery”, PI: Javernick-Will, co-PIs: Bernard Amadei, Kathleen Tierney, Charles Ragin, \$269,989 [CU:\$254,990], April 2012- September 2015.

- [R5] National Science Foundation, VOSS, "VOSS: Creating Global, Multi-Lateral, Knowledge-Sharing Communities of Practice", PI: Javernick-Will; Co-PIs Paul Chinowsky, Mark Riddle, John Taylor, \$399,806 [CU:\$349,871], October 2011- September 2015.
- [R3] University of Colorado—President’s Learning and Teaching Collaborative, Assessment of Teaching Interventions on Learning Objectives for Global Engineering, \$1,550 [CU: \$1,550], 2011-2013.
- [R2] Construction Industry Institute (CII), “Methods for Dealing with Uncertainty—Applying Probabilistic Controls in Construction”, co-PIs Keith Molenaar and Amy Javernick-Will, \$176,335, April 2010-August 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 Javernick-Will, Co-PI Levitt, April 2007 – April 2009, \$40,000 (Stanford).

## TEACHING

### New Course Development

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.

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, 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.

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.

### Courses Taught

Course Number	Course Name	Type of Class	Semesters	Number of Students
AREN 4506	Preconstruction Estimating and Scheduling	Undergraduate Elective	Fall 2014/Spring 2015/Fall 2015	34 Students/24 Students/27 Students

AREN 4466	Construction Planning and Scheduling	Undergraduate Elective	Fall 2010, 2011, 2012, 2013	44 Students, 67 Students, 52 Students, 36 Students
CVEN 5206	Design-Build Development	Graduate Elective	Spring 2012, 2013	21 Students, 18 Students
CVEN 5836	Managing Projects and Organizations	Graduate Requirement	Spring 2011, Fall 2012, 2013, 2014, Spring 2016	16 Students, 19 Students, 12 Students, 12 Students, 20 Students
CVEN 5836	Global Projects and Organizations	Graduate Requirement	Spring 2010	14 Students

**STUDENT ADVISING** (all titles shortened for brevity)\*Co-advised/chaired; <sup>1</sup>MS thesis option; <sup>2</sup>MS report option**Current Graduate Student Committees Chaired**

Venable, Casie	PhD	“Disaster Recovery and Resiliency”	Expected 2020
Tracy, Andrew	PhD	“Induced Seismicity and Information Networks”	Expected 2019
Davis, Allie	PhD*	“Sustainable Sanitation & Resource Recovery”	Expected 2019
Palagi, Shaye	PhD	“Relocation and Infrastructure Resiliency”	Expected 2019
Arneson, Erin	PhD*	“Pre-Disaster Tornado Mitigation”	Expected 2017
Poleacovschi, Cristina	PhD	“Knowledge Governance”	Expected 2017
Opdyke, Aaron	PhD	“Post-disaster infrastructure construction”	Expected 2017
Zerio, Alex	MS <sup>1</sup>	“Learning Styles and Post-disaster Training”	Expected 2017
Antillon, Eric	PhD*	“Life-cycle decision-making”	Expected 2016

**Former Graduate Student Committees Chaired\***

Beatmal, Wesam	PhD*	“Asset Management in Developing Countries”	Graduated 2016
Walters, Jeff	PhD*	“Sustainable Systems: Rural Water”	Graduated 2015
Lepropre, Florence	MS <sup>1</sup>	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 <sup>1</sup>	“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 <sup>1</sup>	“Adaptation vs. Integration”	Graduated 2013
Choi, Jung Kue	MS <sup>2</sup>	“Real Estate Challenges of Songdo City”	Graduated 2013
Senei, Maryam	MS <sup>1</sup>	“Generation spanning Knowledge Exchange”	Graduated 2012
Senesi, Christopher	MS <sup>1</sup>	“Probabilistic Controls”	Graduated 2012
Arnold, Paul	MS <sup>1</sup>	“Project Wide Access”	Graduated 2011
Alrakhayes, Shahed	MS <sup>2</sup>	“Enterprise Risk Management”	Graduated 2011
La Ratta, Anna	MS <sup>1</sup>	“Project Scope Management”	Graduated 2011
		<i>University of Calabria, Italy (Co-Advisor)</i>	
Jouandou, Remi	MS <sup>1</sup>	“Probabilistic Controls”	Graduated 2010



**Graduate Committee Participation (other than primary advisor)*****Past Graduates***

Myers, Beth	PhD	University of Colorado at Boulder	Graduated 2016
Forbes, Marissa	PhD	University of Colorado at Boulder	Graduated 2016
Rulifson, Greg	PhD	University of Colorado at Boulder	Graduated 2015
France, Todd	PhD	University of Colorado at Boulder	Graduated 2015
Harper, Chris	PhD	University of Colorado at Boulder	Graduated 2014
Booth, Emily	MS <sup>2</sup>	University of Colorado at Boulder	Graduated 2014
Canney, Nathan	PhD	University of Colorado at Boulder	Graduated 2013
Sobin, Nat	PhD	University of Colorado at Boulder	Graduated 2013
Alsamadani, Rayyan	PhD	University of Colorado at Boulder	Graduated 2013
Chatterley, Christie	PhD	University of Colorado at Boulder	Graduated 2013
Tixior, Antoinne	MS <sup>1</sup>	University of Colorado at Boulder	Graduated 2013
O'Brien, John	PhD	University of Colorado at Boulder	Graduated 2012
Crawford, Mac	MS <sup>1</sup>	University of Colorado at Boulder	Graduated 2012
Baud, Kevin	MS <sup>1</sup>	University of Colorado at Boulder	Graduated 2012
Matsumura, Kristen	MS <sup>1</sup>	University of Colorado at Boulder	Graduated 2012
Issa, Ibrahim	MS <sup>2</sup>	University of Colorado at Boulder	Graduated 2011
Roucheray, Marielle	MS <sup>2</sup>	University of Colorado at Boulder	Graduated 2011
Morales, Arturo	MS <sup>1</sup>	University of Colorado at Boulder	Graduated 2011
Chi, Shu Fang	PhD	Stanford University	Graduated 2011

***Current Students***

Kwiatkowski, Kyle	PhD	University of Colorado at Boulder	Expected 2017
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**Undergraduate Research Advising**

Riley, Austin	DLA	“Decision-making for Disaster Risk Reduction”	2016-Current
Geer, Garret	DLA	“Sustainable Saniation in India”	2016-Current
Klucik, Rudolf	URA	“Webcrawling: Induced Seismicity Networks”	2016
Grunwald, Bryn	URA	“Post-disaster construction training”	2015-Current
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”	Fall 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
Nagahashi, Kevin	IS	“Motivations and Knowledge Sharing”	Spring 2012
Kapatayes, Christin	DLA	“Global Organizations: Knowledge Networks”	2010-2011
Peterson, Adam	Honors	“Design Management in D/B”	2010-2011
Nguyen, Long	IS	“Productivity Considerations”	Spring 2011
Bennett, Kevin	IS	“BIM and Scheduling”	Spring 2011
McFarling, Samantha	IS	“Gender, Identity and EWB-USA”	Spring 2011
Dorr, Nathan	IS	“Lessons Learned from projects”	Spring 2011

Krieder, Matthew	IS	“Global Knowledge”	Spring 2011
Kainer, Michael	IS	“Scheduling and Active Learning”	Spring 2010

## STUDENT AWARDS

Opdyke, Aaron	USAID/OFDA Graduate Student Fellowship	2016
Opdyke, Aaron	Best Paper Award, EPOC 2016	2016
Poleacovschi, Cristina	Best Paper Award, EPOC 2015	2015
Poleacovschi, Cristina	CII Best Poster Award	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:

Assistant Specialty Editor, Journal of Construction Engineering and Management (2011-2016)  
 Editor, Journal of Construction Management and Economics (Starting Jan 2017)

### PEER REVIEW:

*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)  
 Engineering Project Organizations Conference (2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016)  
 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:**

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**

NAE 12-member panel to “Understand the Engineering Education—Workforce Continuum” (2013-2016)

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)

**University**

Associate Director, Mortenson Center in Engineering for Developing Communities (2015-present)

Faculty Leadership Affairs Group (FLAG), College of Engineering and Applied Sciences (2015-present)

Boulder Faculty Affairs Leadership Committee (2014-2015)

Gold Shirt Program (2011-2015)

Football Recruiting (2012-2013)

High School Honors Institute (2010)

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

**Department**

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)