

Sogand Hasanzadeh

Charles E. Via, Jr. Department of Civil and Environmental Engineering
121 Patton Hall, Virginia Tech
Blacksburg, VA 24061
Email: Sogandm@vt.edu
Phone: (402) 853-3267

Education

Ph.D.

Civil Engineering; Virginia Tech, 2020

Master of Science

Construction Engineering and Management; University of Nebraska–Lincoln, 2017

Mixed Methods Research Graduate Certificate

College of Education and Human Sciences, University of Nebraska–Lincoln, 2016

Master of Science

Project and Construction Management; Shahid Beheshti University, Iran, 2013

Bachelor of Science

Architectural Engineering; Shahid Beheshti University, Iran, 2011

Awards and Honors

- 2017 *Graduate Research Assistantship*, Virginia Tech
- 2018 *Graduate Teaching Assistantship*, Virginia Tech
- 2016 *CII Best Academic Research*, Construction Industry Institute
- 2016 *Best Paper Award*, Construction Research Congress (CRC)
- 2016-2017 *Graduate Research Fellowship*, University of Nebraska–Lincoln
- 2014-2016 *Graduate Teaching Assistantship*, University of Nebraska–Lincoln
- 2016 *Director’s Travel Grant*, University of Nebraska–Lincoln
- 2016 *CII Grant to CII Annual Conference*, Construction Industry Institute
- 2016 *College of Engineering Travel Fellowship*, University of Nebraska–Lincoln
- 2015 *Durham school Travel Grant*, University of Nebraska–Lincoln
- 2013 *Ranked 1st among Graduated CM Students*, Shahid Beheshti University
- 2013 *MSc Thesis award*, Shahid Beheshti University
- 2011 *Master (2-year academic) Scholarship*, Shahid Beheshti University
- 2006 *Ranked Top 2% in National Wide University Entrance Examination among more than 500,000 participant*

Peer-Reviewed Publications

Peer-Reviewed Journal/ Conference Papers:

- Hasanzadeh, S., Esmaeili, B., and Dodd, M. (2017) “Measuring Impacts of Safety Knowledge on Construction Workers’ Attentional Allocation and Hazard Detection: Using Remote Eye-Tracking Technology” *Journal of Management in Engineering*, ASCE.
- Hasanzadeh, S., Esmaeili, B., and Dodd, M. (2017) “Exploring the Impact of Construction Workers’ Hazard-Identification Skills on their Visual Attention.” *Journal of Construction Engineering and Management*, ASCE.
- Hasanzadeh, S., Esmaeili, B., Nasrollahi, S., Gad, G. M., and Gransberg, D. D. (2017). “IMPACT OF OWNERS’ EARLY DECISIONS ON PROJECT PERFORMANCE AND DISPUTE OCCURRENCE IN PUBLIC HIGHWAY PROJECTS.” *ASCE’s Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*.
- Hasanzadeh, S., Esmaeili, B., and Dodd, M. (2017) “Measuring the Impact of Working-Memory Load on the Safety Performance of Construction Workers.” *International Workshop on Computing in Civil Engineering (IWCCE 2017)*, Seattle, Washington, USA from June 25 – 27, 2017.
- Hasanzadeh, S., Esmaeili, B., Dodd, M., and Pellicer, E. (2017) “Using Eye Movement to Identify Hazards Missed by At-risk Workers.” *Ninth International Structural Engineering and Construction Conference (ISEC-9)*, Valencia, Spain, July 24-July 29, 2017.

- Dao, B., Hasanzadeh, S., Esmaili, B. (Submitted 2017). “The Association Between Risk Perception and Risk-Taking Behavior of Construction Workers”, Construction Research Congress (CRC2018), ASCE, New Orleans, LA.
- Hasanzadeh, S., Esmaili, B., Dodd, M. (Submitted 2017). “Personality and Emotional Stability Predict How Workers Distribute their Attention Under Fall and Tripping Hazard Conditions”, Construction Research Congress (CRC2018), ASCE, New Orleans, LA.
- Hasanzadeh, S., Esmaili, B., Gad, G., Gransberg, D., and Nasrollahi, S. (Submitted 2017). “Time of Involvement and Dispute Occurrence in Public Highway Projects”, Construction Research Congress (CRC2018), ASCE, New Orleans, LA.
- Hasanzadeh, S., Esmaili, B., and Dodd, M. (2016) “Measuring Construction Workers’ Real-Time Situation Awareness Using Mobile Eye-Tracking” Construction Research Congress (CRC 2016), ASCE, San Juan, Puerto Rico **(Best Paper Award)**
- Hasanzadeh, S., Gad, G. M., and Esmaili, B., and Gransberg, D. D. (2016) “Impacts of levels of trust on dispute occurrence in highway projects.” Construction Research Congress (CRC2016), ASCE, San Juan, Puerto Rico.
- Hasanzadeh, S., Esmaili, B., and Molenaar, K. (2015) “Exploring the behavioral changes of stakeholders in Construction Projects Which Used Best Value Selection.” International Construction Specialty Conference (ICSC), ASCE, Vancouver, British Columbia, Canada.
- Bhoir, S. A., Hasanzadeh, S., Esmaili, B., and Dodd, M. D. (2015) “Measuring construction workers’ attention using eye-tracking technology.” International Construction Specialty Conference (ICSC), ASCE, Vancouver, British Columbia, Canada.
- Esmaili, B., Pellicer, E., Hasanzadeh, S., Molenaar, K., and Sanz, A. (2015) “Exploring the relationship between project integration and safety performance. International Construction Specialty Conference (ICSC), ASCE, Vancouver, British Columbia, Canada.
- Mohammadhasanzadeh, S., Hoseilalipour, M., and Hafezi, M. (2014) “Collaborative Procurement in Construction Projects Performance Measures, Case Study: Partnering in Iran Construction Industry.” *Procedia (Social and Behavioral Sciences)*, Elsevier Journal, 119: 811-818.
- Hoseilalipour, M., MohammadHasanzadeh, S., and Hafezi, M. (2013) “Assessing the Applicability of Collaborative Procurement in Iranian Construction Industry.” *JAEBS*, 3(10).

Thesis and dissertations:

- Master of Science Thesis–Construction Engineering and Management; Title: “*Human Factor in Construction Safety*”
- Master of Science Thesis (2013) –Project and Construction Management; Title: “*Collaborative Procurement and Alternative Project Delivery methods.*”

Whitepaper:

- Walker, C., Dao, B., Hasanzadeh, S., Anderson, M., and Esmaili, B. (2016). “*Developing the Nebraska DOR Winter Severity Index (NEWINS) to Improve Safety and Mobility: VERSION 1.0*”, Nebraska Department of Roads (NDOR).

Research Reports:

- Hasanzadeh, S., Gholizadeh, P., and Esmaili, B. (2016). *Electrical Safety Solutions*, CPWR Construction Solutions.

Peer-Reviewed Posters:

- Hasanzadeh, S., Esmaili, B. (2016) “Measuring Construction Workers’ Real-Time Situational Awareness Using Visual Cues: Wearable Eye-Tracking Technology.” *CII Annual Conference*, Maryland. (Award Winner-1st Place)
- Hasanzadeh, S., Gad, G. M., Esmaili, B., and Gransberg, D. D. (2016) “*Disputes in Public Highway Projects*” presented at Project Delivery Methods Committee (AFH15); *2016 Transportation Research Board*; Washington DC.
- Hasanzadeh, S., Esmaili, B., Dodd, M., (2015). “Predicting Construction Workers’ Safety Performance: Using Eye-Tracking Technology.” *Educational Neuroscience Conference*, Lincoln, Nebraska, October 15-16, 2015.

Hasanzadeh, S., Esmaeili, B., Molenaar, K.R., (2015). "Exploring Behavioral Pattern of Stakeholders in Construction Projects Which Used Best-Value Selection." *International Construction Specialty Conference (ICSC)*, Vancouver, June 8-10, 2015.

Hasanzadeh, S., Hoseini, S., Esmaeili, B., Dodd, M., (2015). "Assessing Construction Workers' Attention and Situation Awareness Using Eye-tracking Technology." *International Construction Specialty Conference (ICSC)*, Vancouver, June 8-10, 2015.

Hasanzadeh, S., Esmaeili, B., Dodd, M., (2015). "Assessing Construction Workers' Attention and Situational Awareness Using Eye-Tracking Technology." *The Sixth National Occupational Injury Research Symposium (NOIRS)*, Kingwood, West Virginia, May 19-21, 2015.

Other Presentations

Hasanzadeh, S., Gad, G. M., Esmaeili, B., and Gransberg, D. D. (2016) "*Disputes in Public Highway Projects*" presented at Project Delivery Methods Committee (AFH15); *2016 Transportation Research Board*; Washington DC.

Hasanzadeh, S., Esmaeili, B. (2015) "*Application of Building Information Modeling to Enhance Construction Safety Performance.*" Presented at AEI conference, Milwaukee, WI.

Hasanzadeh, S., Esmaeili, B. (2015) "*Current Practices of Best Value Approach.*" Presented at AEI conference, Milwaukee, WI.

Hasanzadeh, S., Esmaeili, B. (2015) "*Project Delivery Performance.*" Presentation at the Nebraska Architectural Engineering Conference (NAEC), AEI Nebraska, Omaha, NE.

Teaching Experience

Graduate Teaching Assistant, Virginia Tech (Spring 2018)

Graduate Teaching Assistant, University of Nebraska–Lincoln

Construction Materials and Specifications (CNST 215-section 2)

Professional Practice & Ethics (CNST 420)

Risk Analysis and Decision Making (CNST898)

Construction Project Planning and Control (CNST 485-section 1 & 2)

Project Delivery System (CNST 498)

Invited Lecturer, Shahid Beheshti University

Procurement Management (Graduate Course)

Contract Management (Graduate Course)

Graduate Teaching Assistant, Shahid Beheshti University

Structural Design I (Statics) & II

Working Experience

Project Manager, Khaneh Bagh Consulting Company, Tehran, Iran, 2013-2014

BIM Specialist, Kayson Company, Tehran, Iran, 2013

Construction Manager, Naghsh Consulting Company, Tehran, Iran, 2012-2013

Architect, Naghshe Mahoor Consulting Company, Tehran, Iran, 2009-2010

Professional Development

Advised Students

Brett Farquhar (Undergraduate student in Construction Management)

Erik Bruening (Undergraduate student in Construction Management)

Ana Clara Carvalho (exchange student in Construction Management)

Kendra Euscher (Undergraduate student in Civil Engineering)

Austin Robinson (UCARE student in Civil Engineering)

Christian Leblanc (UCARE student in Civil Engineering)

Professional Certificates and Memberships

Certificates:

Professional Development Certificate for Preparing Future Faculty, University of Nebraska–Lincoln, Summer 2016

Mentor program, University of Nebraska–Lincoln, Fall 2016

Affiliations:

Chair of Academic Affairs, Graduate Student Assembly Executive Committee, ASUN Student Government, University of Nebraska- Lincoln, 2016–Present

Vice President Lambda Chi Chapter, University of Nebraska- Lincoln, 2015–Present

American Society of Civil Engineers (ASCE), student member, 2012–Present

International Project Management Association (IPMA), student member, 2011–Present

International Association of Civil Engineering Students (IACES), 2013–Present

Reviewer in Conferences/Programs

Undergraduate Creative Activities and Research Experience (UCARE) reviewer, University of Nebraska-Lincoln, 2017

Journal of Management in Engineering (ASCE) reviewer, 2017

Ninth International Structural Engineering and Construction Conference (ISEC-9) reviewer, Spain, 2017

Construction Research Congress (CRC 2016) reviewer, San Juan, Puerto Rico, 2016

International Conference on Sustainable Design, Engineering, and Construction (ICSDEC 2016) reviewer, Tempe, Arizona, 2016

Undergraduate Creative Activities and Research Experience (UCARE) reviewer, University of Nebraska-Lincoln, 2016

MCNAIR scholar reviewer, University of Nebraska-Lincoln, 2016

Science Slam: Postdoc Edition reviewer, University of Nebraska-Lincoln, 2016