

# JUKRIN MOON

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## EDUCATION

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Texas A&M University, College Station, TX, USA

Ph.D. Industrial and Systems Engineering 2021

- Dissertation: Understanding interactive team cognition in crisis management
- Committee: Farzan Sasangohar (chair); S. Camille Peres; Jason B. Moats; Mark A. Lawley

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea

M.S. Industrial and Systems Engineering 2014

- Thesis: Infrastructure interdependency modeling for cascading failure assessment
- Committee: Taesik Lee (chair); Jaemyung Ahn; Tae-Eog Lee

KAIST, Daejeon, Korea

B.S. Industrial and Systems Engineering 2012

- Technical University of Munich, Germany (exchange)
- University of California, Berkeley, CA, USA (summer exchange)
- Seoul Science High School, Seoul, Korea (early graduation in 2-years)

## EMPLOYMENT HISTORY

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### Current Employment

University of Iowa, Iowa City, IA, USA

*Assistant Professor*, Dept. Industrial & Systems Eng. 2/2025 – Present

- Research: Moon-HAI Lab: Human-centered systems approach to Artificial Intelligence
- Teaching: ISE 3400 Human Factors; ISE 3450 Ergonomics

### Past Research Employments

Houston Methodist Hospital, Houston, TX, USA

*Postdoctoral Research Fellow*, Center for Health Data Science and Analytics 9/2023 – 10/2024

- Director: Stephen L. Jones | Kleberg foundation; Chevron-innovation research acceleration fund
  - Sustainable intensive care [J5]
  - Communicating staff and family members in intensive care units
  - Wearable-based decision-making aids for nursing students in detecting sepsis
- Supported writing AHRQ grant submission (R18; PA-23-290) | PIs: Farzan Sasangohar; Kimberly Johnson
  - Emergency department triage interruption management for efficiency and safety (ED-TIMES)

University of Wisconsin-Madison, Madison, WI, USA

*Postdoctoral Research Associate*, School of Pharmacy 6/2021 – 9/2023

- Advisor: Michelle A. Chui | Funding: AHRQ #1R18HS027737-01
  - Over-the-counter medication safety for older adults in community pharmacies [J2-4, 8-9, 11]
- Supported writing AHRQ grant #1R18HS029608 | PIs: Michelle A. Chui; James H. Ford
  - Engineering resilient community pharmacies (ENRICH)

*Postdoctoral Research Associate*, Dept. Industrial & Systems Eng. 10/2022 – 5/2023

- Advisor: Douglas Wiegmann | Funding: AHRQ #R01HS026226
  - Fluoroquinolone restriction for the prevention of clostridioides difficile infection [J1, 7]

Texas A&M University, College Station, TX, USA

*Graduate Research Assistant*, Dept. Industrial & Systems Eng. 8/2014 – 5/2021

- Advisors: Farzan Sasangohar; S. Camille Peres | Funding: NSF #1724676
  - Cognition and resilience in crisis management teams [J6, 10, 12-16]
- Supported writing NSF grant #1724676 | PIs: Mark Avnet; Camille S. Peres
  - Human-team-machine interaction in emergency response

KAIST, Daejeon, Korea

- Graduate Research Assistant*, Dept. Industrial & Systems Eng. 2/2012 – 2/2014
- Advisors: Taesik Lee; Jaemyung Ahn | Funding: NRF Korea #2011-0029883
    - Group decision methodology to predict potential cascading failures in disasters [J18]
  - Advisor: James R. Morrison | Funding: KAIST undergraduate research program
    - Project: Redesigning an engineering course to serve emotional and sensory inputs [J17]

Past Teaching Employments

Texas A&M University, College Station, TX, USA

- Lecturer*, Dept. Industrial & Systems Eng. 9/2018 – 5/2024
- ISEN 330 Human systems interaction, 2024 spring
  - ISEN 630 Human operators in complex systems, 2023 fall
  - ISEN 302 Economic analysis of engineering projects, 2018 fall

Texas A&M University, College Station, TX, USA

- Graduate Teaching Assistant*, Dept. Industrial & Systems Eng. 9/2015 – 5/2021
- ISEN 210 Fundamentals of industrial engineering design, 2021 spring (virtual)
  - ISEN 630 Human operators in complex systems, 2019 fall
  - ISEN 460 Capstone senior design, 2015 fall, 2016 spring, and 2016 fall

KAIST, Daejeon, Korea

- Graduate Teaching Assistant*, Dept. Industrial & Systems Eng. 9/2012 – 12/2013
- IE 577/MAE 565 System design and engineering, 2012 fall, 2013 fall
  - ID 100 Introduction to design and communication, 2013 spring

Past Corporate Employments

*Intern*, Seoul, Korea

- Market planning for consumer brands
  - Deloitte 2014
  - Procter & Gamble 2010
  - Bain & Company 2008 – 2009
  - Accenture 2008
- Promoting corporate social responsibility
  - United Nations Global Compact 2011 – 2012

AWARDS & HONORS

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International and National Recognitions

Human Factors and Ergonomics Society (HFES)

- Student Member with Honors Award 2020
- Best Student Poster Award, Southwestern Regional Annual Symposium 2019
- Student Travel Award, Health Care Technical Group 2018
- Student Author Presentation Support Award, Council of Technical Groups 2017

Institute for Operations Research & Management Sciences (INFORMS)

- Seth Bonder Foundation Grant 2020
- Doctoral Colloquium Invitee, Annual Meeting 2020

Institute of Industrial & Systems Engineers (IISE)

- Doctoral Colloquium Invitee, Annual Conference	2020
Resilience Engineering Association (REA)	
- Young Talent Award, Biennial Symposium	2019
Idaho National Laboratory	
- Student Competition Winner, Resilience Week Symposium	2019
Council of Engineering Systems Universities (CESUN)	
- Doctoral Colloquium Invitee, Annual Conference	2016
Georgia Tech Center for Health and Humanitarian Systems	
- Student Poster Presentation Support Award, Annual Conference	2013
<u>Regional and University Recognitions</u>	
Texas A&M University	
- Dissertation Fellowship	2020
- Graduate Teaching Fellowship	2018
- Human Factors Project of the Year Award	2017
- Graduate Student Presentation Award	2016
Korean Government	
- Merit-based Graduate Scholarship	2012 – 2013
- Merit-based Undergraduate Scholarship	2006 – 2011
Korea Advanced Institute of Science and Technology (KAIST)	
- Merit-based Exchange Program Scholarship	2009
- Internship Competition Winner (1st place)	2008
- Research Competition Winner (2nd place)	2008
- Merit-based Summer Exchange Program Scholarship	2007

## PUBLICATIONS

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### Refereed Book Chapters

- B1. Markert, C., **Moon, J.**, & Sasangohar, F. (2021). Smart telehealth systems for the aging population (pp. 101-117). In Moallem, A. (Ed.) *Smart and intelligent systems: The human elements in artificial intelligence, robotics, and cybersecurity* (1st ed.). CRC Press. eBook ISBN: 9781003215349. doi: 10.1201/9781003215349

### Refereed Journal Articles

- J1. Smith, A. S., Wang, X., **Moon, J.**, Rao, A. H., Rodriguez-Paras, C., & Sasangohar, F. (2025). Understanding preferences for a PTSD support technology among veterans: A qualitative analysis. *Journal of Veterans Studies*, 11(2), pp. 156–169. doi: <https://doi.org/10.21061/jvs.v11i2.730>
- J2. Solomon, D., Ahmad, A., **Moon, J.**, Parmasad, V., Bennett, N.T., Ferren, R.S., Fitzsimmons, A.J., Lepak, A.J., Schulz, L.T., Pop-Vicas, A.E., Hernandez, S.E., Wiegmann, D., & Safdar, N. (2025). Examining the implementation of a multi-site evidence-based intervention to reduce fluoroquinolone usage: A qualitative content analysis of staff interviews to identify facilitators and barriers. *Applied Ergonomics*, 125. doi: 10.1016/j.apergo.2024.104419
- J3. Gilson, A.M., Chladek, J.S., Stone, J.A., Watterson, T.L., Lehnbohm, E.C., Hoffins, E.L., Berbakov, M.E., **Moon, J.**, Jacobson, N.A., Holden, R., Gangnon, R., Pigarelli, D.L.W., Welch, L.L., Portillo, E.C., Shiyabola, O., Gallhardt, J.D., Walker, K.D., & Chui, M.A. (2025). Older adult misuse of over-the-counter medications: Effectiveness of a novel pharmacy-based intervention to improve patient safety. *Journal of Patient Safety*, 21(1), 38-47. doi: 10.1097/PTS.0000000000001288

- J4. Chladek, J.S., Gilson, A.M., Stone, J.A., Berbakov, M.E., Watterson, T.L., Lehn bom, E.C., Hoffins, E.L., Hemesath, K.A., **Moon, J.**, Welch, L.L., Pigarelli, D.L.W., Portillo, E.C., Resendiz, S.M., Mai, S., & Chui, M.A. (2024). The high prevalence and complexity of over-the-counter medication misuse in older adults. *Innovation in Aging*, 8(10). doi: 10.1093/geroni/igae083
- J5. Watterson, T.L., **Moon, J.**, Stone, J.A., Gilson, A.M., Berbakov, M.E., Hoffins, E.L., Chladek, J.S., Lehn bom, E.C., Resendiz, S.M., Mai, S., Walker, K.D., Gollhardt, J.D., & Chui, M.A. (2024). Linking inner context and innovation factors: Examining a pharmacy-based intervention through the eyes of pharmacy staff. *Exploratory Research in Clinical and Social Pharmacy (ERCSP)*, 15, ISBN: 2667-2766. doi: 10.1016/j.rcsop.2024.100486
- J6. Masud, F.N., Sasangohar, F., Ratnani I., Fatima, S., Hernandez, M.A., Riley, T., Fischer, J., Dhala, A., Gooch, M.E., Keeling-Johnson, K., **Moon, J.**, & Vincent, J.L. (2024). Past, present, and future of sustainable intensive care: Narrative review and a large hospital system experience. *Critical Care*, 28(154). doi: 10.1186/s13054-024-04937-9
- J7. **Moon, J.**, Sasangohar, F., Peres, S.C., & Son, C. (2024). Naturalistic observations of multiteam interaction networks: Implications for cognition in crisis management teams. *Ergonomics*, 67(3), 305-326. doi: 10.1080/00140139.2023.2221418
- J8. Hernandez, S.E., Solomon, D., **Moon, J.**, Parmasad, V., Wiegmann, D., Bennett, N.T., Ferren, R.S., Fitzsimmons, A.J., Lepak, A.J., O'Horo, J.C., Pop-Vicas, A.E., Schulz, L.T., & Safdar, N. (2024). Understanding clinical implementation coordinators' experiences in deploying evidence-based interventions. *American Journal of Health-System Pharmacy (AJHP)*, 81(4), 120-128. doi: 10.1093/ajhp/zxad272
- J9. Bove, M.E., Hoffins, E.L., Stone, J.A., Gilson, A.M., Chladek, J.S., Watterson, T.L., Lehn bom, E.C., **Moon, J.**, Holden, R., Jacobson, N.A., Shiyabola, O., Welch, L.L., Walker, K.D., Gollhardt, J.D., & Chui, M.A. (2024). Adapting a community pharmacy intervention to improve medication safety. *Journal of the American Pharmacists Association (JAPhA)*, 64(1), 159-168. doi: 10.1016/j.japh.2023.11.009
- J10. **Moon, J.**, Chladek, J.S., Wilson, P., & Chui, M.A. (2024). Clinical decision-making support systems in community pharmacies: A scoping review. *Journal of the American Medical Information Association (JAMIA)*, 31(1), 231-239. doi: 10.1093/jamia/ocad208
- J11. Son, C., Sasangohar, F., Peres, S.C., & **Moon, J.** (2023). Analyzing work-as-imagined and work-as-done of incident management teams using interaction episode analysis. *Theoretical Issues in Ergonomics Science*, 24(6), 729-757. doi: 10.1080/1463922X.2022.2153495
- J12. Lehn bom, E.C., Berbakov, M.E., Hoffins, E.L., **Moon, J.**, Welch, L., & Chui, M.A. (2023). Elevating safe use of over-the-counter medications in older adults: A narrative review of pharmacy involved interventions and recommendations for improvement. *Drugs & Aging*, 40(7), 621-632. doi: 10.1007/s40266-023-01041-5
- J13. **Moon, J.**, Sasangohar, F., Son, C., & Peres, S.C. (2020). Cognition in crisis management teams: An integrative analysis of definitions. *Ergonomics*, 63(10), 1240-1256. doi: 10.1080/00140139.2020.1781936
- J14. Son, C., Sasangohar, F., Neville, T.J., Peres, S.C., & **Moon, J.** (2020). Investigating resilience in emergency management: An integrative review of literature. *Applied Ergonomics*, 87, 103114. doi: 10.1016/j.apergo.2020.103114
- J15. Son, C., Sasangohar, F., Peres, S.C., & **Moon, J.** (2020). Muddling through troubled water: Resilient performance of incident management teams during Hurricane Harvey. *Ergonomics*, 63(6), 643-659. doi: 10.1080/00140139.2020.1752820
- J16. Son, C., Sasangohar, F., Peres, S.C., Neville, T.J., & **Moon, J.** (2020). Evaluation of work-as-done in information management of multidisciplinary incident management teams via interaction episode analysis. *Applied Ergonomics*, 84, 103031. doi: 10.1016/j.apergo.2019.103031
- J17. Son, C., Sasangohar, F., Peres, S.C., Neville, T.J., **Moon, J.**, & Mannan, M.S. (2018). Modeling an incident management team as a joint cognitive system. *Journal of Loss Prevention in the Process Industries*, 56, 231-241. doi: 10.1016/j.jlp.2018.07.021
- J18. Bae, S.Y., **Moon, J.**, & Morrison, J.R. (2017). Design of engineering courses as a service: Emotions, senses, and implementation. *International Journal of Engineering Education*, 33(5), 1561-1574. ISSN: 0949-149X
- J19. **Moon, J.**, Lee, D., Lee, T., Ahn, J., Shin, J., Yoon, K., & Choi, D. (2015). Group decision procedure to model the dependency structure of complex systems: Framework and case study for critical infrastructures. *Systems Engineering*, 18(4), 323-338. doi: 10.1002/sys.21306

- J20. Khan, A., Sasangohar, F., **Moon, J.**, & Masud, F. Code Green: A Cross-Sectional Survey of Barriers and Opportunities for Sustainability Practices in the Intensive Care Units of a Large Hospital System. *Under review: Critical Care*.
- J21. Chladek, J.S., Jaiswal, L., Stone, J.A., Gilson, A.M., Berbakov, M.E., Hoffins, E.L., **Moon, J.**, Watterson, T.L., Lehnbohm, E.C., Resendiz, S.M., Mai, S., & Chui, M.A. Over-the-counter medication counseling for older adults in community pharmacies: Comparing work-as-imagined and work-as-done. *Under review: American Journal of Pharmaceutical Education (AJPE)*.

#### Refereed Conference Proceedings

- C1. **Moon, J.**, Bove, M.E., Morris, A.O., Gilson, A.M., Stone, J.A., Watterson, T.L., & Chui, M.A. (2022). Eye-tracking for macroergonomics in the wild: Exploring its use for understanding older adults' over-the-counter medication selection behavior in community pharmacies and its implications for other health care settings. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care (03/20-23, New Orleans, Louisiana)*
- C2. Morris, A.O., Bove, M.E., **Moon, J.**, Stone, J.A., Gilson, A.M., Watterson, T.L., & Chui, M.A. (2022). Senior Section 2.0: Intersecting Implementation Science and Human Factors to Adapt Our Community Pharmacy Intervention to Improve Over-the-Counter Medication Safety Among Older Adults. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care (03/20-23, New Orleans, Louisiana)*
- C3. Wang, X., Sasangohar, F., Son, C., & **Moon, J.** (2021). Lessons learned from hybrid face-to-face and virtual teaching of various industrial engineering courses during the COVID-19 pandemic. *Proceedings of the American Society for Engineering Education (ASEE) Annual Conference (06/26-29, Long Beach, California)*. <https://peer.asee.org/37440>
- C4. Sasangohar, F., Wang, X., Son, C., & **Moon, J.** (2021). Implementation of a novel cross-institutional student peer-review process to enhance learning. *Proceedings of the American Society for Engineering Education (ASEE) Annual Conference (07/26-29, Long Beach, California)*
- C5. **Moon, J.**, Sasangohar, F., Peres, S.C., & Son, C. (2020). Interactive team cognition in incident action planning: A network approach to assess work-as-done within and between multidisciplinary crisis management teams. *Proceedings of the Human Factors and Ergonomics Society (HFES) Annual Meeting (10/05-09, Virtual conference)* **<2020 Student Member with Honors Award: HFES>**
- C6. Son, C., Sasangohar, F., Peres, S.C., & **Moon, J.** (2020). Designing an emergency management simulation testbed to investigate incident management team performance. *Proceedings of the Human Factors and Ergonomics Society (HFES) Annual Meeting (10/05-09, Virtual conference)*
- C7. **Moon, J.**, Sasangohar, F., Peres, S. C., Neville, T. J., & Son, C. (2019). Investigating incident management teams as cognitive systems of systems via live observation of naturalistic interactions. *Proceedings of the Human Factors and Ergonomics Society (HFES) Annual Meeting (10/28–11/01, Seattle, Washington)*. doi: 10.1177/1071181319631263
- C8. Son, C., Sasangohar, F., Peres, S. C., Neville, T. J. & **Moon, J.** (2019). Orchestrating through whirlwind: Identified challenges and resilience factors of incident management teams during Hurricane Harvey. *Proceedings of the Human Factors and Ergonomics Society (HFES) Annual Meeting (10/28–11/01, Seattle, Washington)*. doi: 10.1177/1071181319631265
- C9. **Moon, J.** (2019). System-level investigation of cognitive adaptation in incident management. *Proceedings of the 8<sup>th</sup> Resilience Engineering Association (REA) Symposium (06/24-27, Kalmar, Sweden)* <https://open.lnu.se/index.php/rea/article/view/2033> **<Young Talent Award: REA>**
- C10. Son, C., Sasangohar, F., Peres, S. C., Neville, T. J., **Moon, J.**, Larsen, E. (2019). Same disaster, different response: A comparison between government and hospital incident management teams during Hurricane Harvey. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care (03/24-27, Chicago, Illinois)*
- C11. **Moon, J.**, Sasangohar, F., Peres, S. C., Neville, T. J., & Son, C. (2018). Modeling team cognition in emergency response via naturalistic observation of team interactions. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting (09/30–10/05, Philadelphia, Pennsylvania)*, 62(1), 1801–1802. doi: 10.1177/1541931218621408
- C12. **Moon, J.**, Williams, J. P. C., Sasangohar, F., Khanade, K., & Rodriguez-Paras, C. (2018). Veteran-centered design of a post-traumatic stress disorder (PTSD) tool: Qualitative analysis of interviews with veterans. *Proceedings of the*

- Human Factors and Ergonomics Society Annual Meeting (09/30–10/05, Philadelphia, Pennsylvania)*, 62(1), 548–549. doi: 10.1177/1541931218621124 <**Student Travel Award: HFES Health Care Technical Group**>
- C13. Son, C., **Moon, J.**, Peres, S. C., & Sasangohar, F. (2018). An episode as a trace of resilient performance in multi-agency incident management systems. *Proceedings of the 15<sup>th</sup> International Conference on Information Systems for Crisis Response and Management (ISCRAM; 05/20-23, Rochester, New York)*, 942–948. ISSN: 2411-3387
- C14. **Moon, J.**, Rodriguez-Paras, C., Sasangohar, F., Benzer, J. K., & Kum, H-C. (2018). Modeling patient-centered pathways of the current PTSD care system. *Proceedings of the Healthcare Systems Process Improvement (HSPI) Conference of the Institute of Industrial and Systems Engineering (IISE; 02/21-23, Atlanta, Georgia)*
- C15. **Moon, J.**, Peres, S. C., & Sasangohar, F. (2017). Defining team cognition in emergency response: A scoping literature review. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting (10/09-13, Austin, Texas)*, 61(1), 894–895. doi: 10.1177/1541931213601702 <**Student Author Presentation Support Award: HFES Council of Technical Groups**>
- C16. **Moon, J.**, Smith, A., Sasangohar, F., Benzer, J. K., & Kum, H.-C. (2017). A descriptive model of the current PTSD care system: Identifying opportunities for improvement. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care (03/05-08, New Orleans, Louisiana)*, 6(1), 251–251. doi: 10.1177/2327857917061055
- C17. **Moon, J.**, & Avnet, M. (2016). Integrating perspectives on shared cognition in emergency response teams. *Proceedings of the 5<sup>th</sup> Council of Engineering Systems Universities (CESUN) Annual Symposium (06/27-29, Washington, D.C.)* <**Graduate Student Presentation Award: Texas A&M University**>
- C18. **Moon, J.**, Lee, D., Lee, T., & Ahn, J. (2014). Dependency structure modeling framework using expert survey-based group decision. *Proceedings of the 16<sup>th</sup> International Conference on Dependency and Structure Modeling (DSM; 07/04, École centrale Paris, France)*, 137–146. ISBN: 978-1-56990-491-6
- C19. Bae, S. Y., Park, C., **Moon, J.**, & Morrison, J. R. (2013). Axiomatic design and implementation of service-oriented university classes: emotions and senses. *Proceedings of the 7<sup>th</sup> International Conference on Axiomatic Design (ICAD; 06/26-28, Worcester, Massachusetts)*, 54–62. ISBN: 978-0-9894658-0-9
- C20. **Moon, J.**, & Lee, T. (2013). Identifying critical infrastructure interdependencies for healthcare operations during extreme events. *Proceedings of the 2<sup>nd</sup> International Conference on Complex Science (12/05-07, 2012, Santa Fe, New Mexico)*, 126, 245–266. Springer, Cham. doi: 10.1007/978-3-319-03473-7\_23

## PRESENTATIONS

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### Invited Lectures, Seminars, and Panels

- L1. Stevens Institute of Technology: Department of Systems and Enterprises. *Human-centered systems approach to inform the future of work*. 9/16, 2024. Hoboken, New Jersey.
- L2. Arizona State University: The Polytechnic School. *Human-centered systems approach to inform the future of work*. 3/11-12, 2024. Mesa, Tempe, and Phoenix, Arizona.
- L3. Ohio University: Department of Industrial and Systems Engineering. *Human-centered systems approach to inform the future of work*. 2/25, 2024. Athens, Ohio.
- L4. Purdue University: Department of Industrial and Systems Engineering. *Human-centered systems approach to inform the future of work*. 2/22, 2024. West Lafayette, Indiana.
- L5. University of Iowa: Department of Industrial and Systems Engineering. *Human-centered systems approach to inform the future of work*. 1/23, 2024. Iowa City, Iowa.
- L6. Stevens Institute of Technology: Department of Systems and Enterprises. EM 533 Human factors in engineering. *Understanding how experts make decisions in crisis management*. 12/04, 2023. Virtual presentation.
- L7. Pennsylvania State University: Department of Industrial and Manufacturing Engineering. *Future of work system designs to better support humans-in-the-wild: From crisis management to medication safety*. 02/25, 2022. Virtual presentation.
- L8. State University of New York (SUNY) at Buffalo: Department of Industrial and Systems Engineering. *Future of work system designs to better support humans-in-the-wild: From crisis management to medication safety*. 02/04, 2022. Buffalo, New York.

- L9. Texas A&M University: Department of Industrial and Systems Engineering. ISEN 330 Human systems interaction. *Introducing human information processing, normative and descriptive decision-making, and heuristics and bias*. 2019 Spring, College Station, Texas.

#### Refereed Presentations at International and National Conferences

- P1. Watterson, T.L., Berbakov, M.E., Hoffins, E.L., Stone, J.A., Gilson, A.M., **Moon, J.**, Chladek, J.S., Lehnbohm, E.C., Holden, R.J., & Chui, M.A. (2024). Senior safe case-study: Examining a conflict of users and user-centered design. *Presented at the International Symposium on Human Factors and Ergonomics in Health Care (03/24-27, Chicago, Illinois)*
- P2. Chui, M.A., Gilson, A.M., Chladek, J.S., Lehnbohm, E.C., Watterson, T.L., Berbakov, M.E., Hoffins, E.L., **Moon, J.**, & Stone, J.A. (2023). Older adult misuse of high-risk over-the-counter medications: Benefits of a pharmacy-based intervention. *Presented at the American Public Health Association (APhA) Annual Meeting and Exposition (11/12-15, Atlanta, Georgia)*
- P3. Chladek, J.S., Gilson, A.M., Stone, J.A., Lehnbohm, E.C., Watterson, T.L., Berbakov, M.E., Hoffins, E.L., **Moon, J.**, & Chui, M.A. (2023). The high prevalence and complexity of over-the-counter medication misuse in older adults. *Presented at the American Public Health Association (APhA) Annual Meeting and Exposition (11/12-15, Atlanta, Georgia)*
- P4. **Moon, J.**, Watterson, T.L., Stone, J.A., Gilson, A.M., Jacobson, N.A., Berbakov, M.E., Hoffins, E.L., Chladek, J.S., Lehnbohm, E.C., & Chui, M.A. (2023). Linking EPIS's inner context and innovation factors: A community pharmacy-based intervention's impact on staff workload and workflow. *Presented at the Annual Conference on the Science of Dissemination and Implementation (D&I) in Health (12/10-13, Arlington, Virginia)*
- P5. Hoffins, E.L., Berbakov, M.E., Stone, J.A., Gilson, A.M., **Moon, J.**, Chladek, J.S., Watterson, T.L., Lehnbohm, E.C., & Chui, M.A. (2023). Designing for sustainment: Using the EPIS framework to scale a medication safety intervention in community retail pharmacies. *Presented at the Annual Conference on the Science of Dissemination and Implementation (D&I) in Health (12/10-13, Arlington, Virginia)*
- P6. Chladek, J.S., Gilson, A.M., Stone, J.A., Lehnbohm, E.C., Hoffins, E.L., Berbakov, M.E., **Moon, J.**, & Chui, M.A. (2023). The high prevalence of over-the-counter medication misuse in older adults: Responses to the CHPA-GSA National Summit. *Presented at the Gerontological Society of America (GSA) Annual Scientific Meeting (11/08-12, Tampa, Florida)*
- P7. Gilson, A.M., Chladek, J.S., Stone, J.A., Lehnbohm, E.C., Hoffins, E.L., Berbakov, M.E., **Moon, J.**, & Chui, M.A. (2023). Older adult misuse of over-the-counter medications: Benefits of a novel pharmacy-based intervention. *Presented at the Gerontological Society of America (GSA) Annual Scientific Meeting (11/08-12, Tampa, Florida)*
- P8. **Moon, J.**, Chui, M.A., Gilson, A.M., Stone, J.A., Lehnbohm, E.C., Watterson, T.L., Berbakov, M.E., Hoffins, E.L., Chladek, J.S. (2023). Shifting the paradigm in outpatient safety through the lens of crisis management. *Presented at the Human Factors and Ergonomics Society (HFES) Annual Meeting (10/23-27, Washington, DC)*
- P9. Chui, M.A., Berbakov, M.E., Stone, J.A., **Moon, J.**, Hoffins, E.L., Chladek, J.S., Gilson, A.M., Watterson, T.L., & Lehnbohm, E.C. (2023). Developing solutions for challenges faced when collecting healthcare professional and patient data in the field. *Presented at the Nordic Social Pharmacy Conference (06/07-09, Tromsø, Norway)*
- P10. Solomon, D., Parmasad, V., Wiegmann, D., **Moon, J.**, Schulz, L., Lepak, A., Pop-Vicas, A., Ferren, R., OHoro, J., Bennett, N., Fitzsimmons, A., Safdar, N., & Hernandez, S.E. (2023). Examining the effects of organizational influencers on the implementation of clinical innovations: A qualitative analysis. *Antimicrobial Stewardship & Healthcare Epidemiology*, 3(S2), S41-S42. doi: 10.1017/ash.2023.274. *Presented at the Society for Healthcare Epidemiology of America (SHEA) Conference: Science Guiding Prevention (04/12-14, Seattle, Washington)*
- P11. **Moon, J.**, Solomon, D., Parmasad, V., Hernandez, S.E., Wiegmann, D., & Safdar, N. (2023). Examining the implementation of a best practice alert (BPA) for reducing a hospital-acquired illness. *Presented at the International Symposium on Human Factors and Ergonomics in Health Care (03/26-29, Orlando, Florida)*
- P12. Hernandez, S.E., Solomon, D., Parmasad, V., **Moon, J.**, Wiegmann, D., & Safdar, N. (2023). Bridging the gap: A qualitative study of clinical implementation coordinators' experiences in implementing and spreading evidence-based interventions. *Presented at the International Symposium on Human Factors and Ergonomics in Health Care (03/26-29, Orlando, Florida)*
- P13. Solomon, D., **Moon, J.**, Parmasad, V., Hernandez, S.E., Wiegmann, D., & Safdar, N. (2023). Utilizing a process mapping method to assess the fidelity of evidence-based interventions (EBIs) across implementation sites: A descriptive case study. *Presented at the International Symposium on Human Factors and Ergonomics in Health Care (03/26-29, Orlando, Florida)*

- P14. Son, C., Sasangohar, F., Peres, S. C., & **Moon, J.**, (2019). Resilience traits of incident management teams during Hurricane Harvey: A qualitative analysis from a joint cognitive systems perspective. *Presented at the Resilience Week Symposium organized by Department of Energy's Idaho National Laboratory (11/04-07, San Antonio, Texas)* <**Student Competition Award: Idaho National Laboratory Resilience Week Symposium**>
- P15. **Moon, J.**, Sasangohar, F., Benzer, J. K., Kum, H-C., Khanade, K., & Rodriguez-Paras, C. (2017). Identifying opportunities for improving the PTSD care with treatment-supportive technologies. *Presented at the International Society for Traumatic Stress Studies (ISTSS) Annual Meeting (11/09-11, Chicago, Illinois)*
- P16. **Moon, J.**, Lee, D., Lee, T., & Ahn, J. (2013). A framework to model the interdependencies among critical infrastructures using the nominal group technique (NGT). *Presented at the Asia-Pacific Council on Systems Engineering Conference (APCOSEC; 09/08-11, Yokohama, Japan)*
- P17. **Moon, J.** & Lee, T. (2013). A framework to identify interdependencies among infrastructures: capability-driven and demand-driven dependency. *Presented at the Conference on Health and Humanitarian Logistics (HHL) Conference, (06/04-05, Kuala Lumpur, Malaysia)* <**Student Poster Presentation Support Award: Georgia Tech Center for Health and Humanitarian Systems**>

#### Refereed Presentations at Regional and University Conferences

- P18. Son, C., Sasangohar, F., Peres, S. C., & **Moon, J.** (2020). Characteristics of resilient incident management teams during an extreme event: A case study of Hurricane Harvey. *Presented at the Annual Disaster Management Symposium (02/12, College Station, Texas)*
- P19. Son, C., Sasangohar, F., Peres, S. C., & **Moon, J.** (2019). Five functions that made an incident management team resilient during Hurricane Harvey. *Presented at the Resilience Rising Research and Practice Symposium (09/05–06, College Station, Texas)*
- P20. Rodriguez-Paras, C., Alec, S., **Moon, J.**, Rao, A. H., & Sasangohar, F. (2019). Investigating triggers and daily challenges for post-traumatic stress disorder (PTSD). *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (04/26, Houston, Texas)*
- P21. **Moon, J.**, Sasangohar, F., Peres, S. C., Son, C., and Neville, T. J. (2019). System level investigation of cognition in incident management teams for adaptive coordination. *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (04/26, Houston, Texas)* <**Best Student Poster Award: Houston HFES Chapter**>
- P22. Son, C., Sasangohar, F., Peres, S. C., **Moon, J.**, & Neville, T. J. (2019). Resilience factors of incident management teams during Hurricane Harvey. *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (04/26, Houston, Texas)*
- P23. Son, C., Sasangohar, F., Peres, S. C., Neville, T. J., **Moon, J.**, Larsen, E. (2019). A comparison between government and hospital incident management teams during Hurricane Harvey. *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (04/26, Houston, Texas)*
- P24. **Moon, J.**, Son, C., Sasangohar, F., Peres, S. C., & Neville, T. J. (2018). Team cognition for coordinated decision-making during Hurricane Harvey: A case study from interviews with responding commanders. *Presented at the Mary Kay O'Connor Process Safety Center (MKOPSC) International Symposium in association with IChemE (10/23-25, College Station, Texas)*
- P25. **Moon, J.**, Son, C., Sasangohar, F., Peres, S. C., & Neville, T. J. (2018). Modeling team cognition for coordinated decision-making in emergency response via naturalistic observation of interactions. *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (04/20, Houston, Texas)*
- P26. Son, C., **Moon, J.**, Sasangohar, F., Peres, S. C., & Neville, T. J. (2018). Representing work-as-done (WAD) of communication and information flow in an incident management team. *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (04/20, Houston, Texas)*
- P27. **Moon, J.**, Peres, S. C., Sasangohar, F., & Mannan, M. S. (2017). An analysis of emergency response issues associated with major incidents from cognitive systems engineering perspective. *Presented at the Mary Kay O'Connor Process Safety Center (MKOPSC) International Symposium in association with IChemE (10/24-26, College Station, Texas)*
- P28. **Moon, J.**, Peres, S. C., & Sasangohar, F. (2017). Defining and measuring team cognition in emergency response: A scoping literature review. *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (06/09, San Antonio, Texas)*

- P29. **Moon, J.**, Smith, A., Sasangohar, F., Benzer, J. K., & Kum, H-C. (2017). A Descriptive model of the current PTSD care system: Identifying opportunities for improvement. *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (06/09, San Antonio, Texas)*
- P30. **Moon, J.**, & Avnet, M. (2015). Developing inter-organizational trust for emergency response in different technology settings. *Presented at the Southwest Regional (Houston) Human Factors and Ergonomics Society (HFES) Annual Symposium (05/29, Houston, Texas)*

## SERVICE TO PROFESSION

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### Professional Society Memberships

Human Factors and Ergonomics Society (HFES)	2015 – Present
Institute of Industrial and Systems Engineer (IISE)	2020 – Present
Institute for Operations Research and Management Sciences (INFORMS)	2020
Resilience Engineering Association (REA)	2019

### Service to Journals

<i>Reviewer, Applied Ergonomics</i>	2024 – Present
<i>Reviewer, Human Factors in Healthcare</i>	2023 – Present
<i>Reviewer, IISE Transactions on Healthcare Systems Engineering</i>	2023 – Present
<i>Reviewer, Journal of Medical Internet Research Human Factors</i>	2023 – Present
<i>Reviewer, Systems Engineering</i>	2020

### Service to Conferences

#### Human Factors and Ergonomics Society (HFES)

- <i>Elected Communications Officer</i>	
· Health Care Technical Group	2021 – 2023
- <i>Networking Reception Coordinator</i>	
· Health Care; Product Design	2023
- <i>Award Reviewer</i>	
· Student Member with Honors Award	2022
· Health Care Technical Group Best Student Paper Award	2022
- <i>Paper Reviewer</i>	
· Health Care; Macroergonomics; Training; Cognitive Engineering & Decision-Making	2017 – 2023
- <i>Session Co-Chair</i>	
· Health Care Technical Group Lecture Sessions	2020
· Student Career and Professional Development Day	2017
- <i>Volunteer</i>	
· HFES Annual Meetings	2017 – 2019
· Southwestern Regional (Houston) HFES Symposiums	2015 – 2019

### Service to University Organizations

<i>Secretary, Texas A&amp;M Student Chapter of HFES</i>	2017 – 2018
<i>Liaison for Women, Texas A&amp;M Student Chapter of INFORMS</i>	2017
<i>President, KAIST Graduate Council</i>	2012 – 2013
<i>Treasurer, KAIST Undergraduate Council</i>	2007 – 2008

## PROFESSIONAL TRAININGS

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### Grant Writing Courses and Workshops

Early Career NIH Grant Proposal Writing Seminar, University of Wisconsin-Madison School of Medicine 2023  
Proposal Writing, ISEN 689 Dr. Zhijian Pei: a former NSF program director, Texas A&M University 2018

Professional Development Courses and Workshops

Postdoctoral Training in Scientific Leadership, University of Wisconsin-Madison 2022  
Academy of Future Faculty Fellow, Texas A&M University 2018

Training Certificates

Azure Artificial Intelligence Hackathon, Microsoft Intelligent Cloud 2019  
Basic Cardiac Life Support Training: CPR and AED, American Heart Association 2019

Languages

Fluently bilingual in *English* and *Korean* | Conversational level in *Japanese*

Last updated: January 20, 2026.