

Curriculum Vitae for **Kyudong Kim** | Assistant Professor

Department of Civil and Construction Engineering and Management

The University of Texas at Tyler

3900 University Blvd. Tyler, Texas 75799

EDUCATION

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|-------------|---|
| Ph.D., 2025 | The University of Texas at Austin (Austin, TX.)
Maseeh Department of Civil, Architectural, and Environmental Engineering
Area: <i>Construction Engineering and Project Management</i> |
| M.S., 2022 | The University of Texas at Austin (Austin, TX.)
Maseeh Department of Civil, Architectural, and Environmental Engineering

Area: <i>Construction Engineering and Project Management</i> |
| B.S., 2008 | Seoul National University of Science and Technology (Seoul, South Korea)
Department of Civil Engineering |

EMPLOYMENT HISTORY

Academic

- | | |
|----------------|---|
| 2025 ~ Present | Assistant Professor <ul style="list-style-type: none"> • Department of Civil and Construction Engineering and Management
University of Texas at Tyler • Teaching: <ul style="list-style-type: none"> ○ <i>CENG 4339, Civil Engineering Construction Management</i> ○ <i>CENG 2336, Geomatics</i> ○ <i>CMGT 4313 Construction Applications for Concrete</i> ○ <i>ENGR 2301 Engineering Mechanics: Statics</i> |
| 2021 ~ 2025 | Research Assistant <ul style="list-style-type: none"> • Maseeh Department of Civil, Architectural, and Environmental Engineering
University of Texas at Austin • Research Projects: <ul style="list-style-type: none"> ○ <i>CALM - Culturally Appropriate Language and Messaging for Influencing End User Behavior During Impending Infrastructure Failures, NSF</i> ○ <i>Contextual Factors That Influence Water Crisis Recovery: A Study of Macro Variables of Crisis Communication, UT Austin</i> ○ <i>Retaining Beneficial Changes from the Pandemic on the Workforce, CII</i> ○ <i>Collaborative: Standard: Institutions in Student Organizations Cultivating Cultures of Ethical Engineering, NSF</i> |
| 2021 ~ 2024 | Teaching Assistant <ul style="list-style-type: none"> • Maseeh Department of Civil, Architectural, and Environmental Engineering
University of Texas at Austin • Courses: <ul style="list-style-type: none"> ○ <i>EVE 310, Sustainable Systems Engineering</i> ○ <i>ARE 323K, Project Management and Economics</i> ○ <i>ARE 358, Cost Estimating in Building Construction</i> |

Industry (Samsung C&T Corporation—Project Management and Human Resource Management)

- 2019 ~ 2020 **Bangladeshi/ India Meghnaghat Gas Power Plant Project**, Kakinada, India
- *Position: Project Control Manager*
 - Plan and manage project budgeting, scheduling, and resource allocation
 - Facilitate communications among project teams, stakeholders, and management
- 2018 ~ 2019 **Indonesia JAWA 1 Gas Power Plant Project**, Cilamaya, Indonesia
- *Position: Civil Construction Manager*
 - Oversee site preparation and foundation works
 - Develop construction plans, including timelines and resource allocation
- 2014 ~ 2018 **Human Resource (HR) Department**, Seoul, South Korea
- *Position: HR Manager*
 - Manage HR planning, evaluation, promotion, and layoff
 - Oversee corporate HR resource management, including project and head office
 - Operate and teach a global HR policy training program
- 2011 ~ 2013 **KOC (Kuwait Oil Company) Integrated Security System**, Al Ahmadi, Kuwait
- *Position: Project Control Engineer*
 - Manage project budgeting, scheduling, and resource allocation
 - Manage contracts and costs for trades and suppliers; project records and reports
- 2010 ~ 2011 **UAE Shuwaihat S2 Gas Power Plant Project**, Abu Dhabi, UAE
- *Position: Project Control Engineer*
 - Manage contracts and costs for trades and suppliers
 - Manage project risk registry; project records and reports
- 2008 ~ 2010 **Asan Incineration Plant / Incheon LNG Terminal Project**, South Korea
- *Position: Civil Construction Engineer*
 - Coordinate site inspections
 - Plan and check site preparation and foundation works

PUBLICATIONS

Journal Articles

Published Manuscripts

- [J10] **Kim, K.**, Rabby, M., Stephens, K. K., McGlone, M. S., Mendez Murillo, R., Castellanos, S., and Faust, K. (2026). “*Water Utility Communication Effectiveness: Regional Behavioral Response Patterns in Conservation Messaging.*” *Journal of Environmental Management*. Vol. 401. 128821. <https://doi.org/10.1016/j.jenvman.2026.128821>
- [J9] **Kim, K.**, Yang, E., Stephens, K. K., McGlone, M. S., Rabby, M., Mendez Murillo, R., Castellanos, S., and Faust, K. (2026). “*Clear or Compliant? The Tension Between Regulatory Requirements and Public Comprehension in Boil Water Advisories.*” *International Journal of Disaster Risk Reduction*. Volume 133, 1 February 2026, 105982. <https://doi.org/10.1016/j.ijdr.2025.105982>
- [J8] Stephens, K., Rabby, M., McGlone, M., Kreiser, A., **Kim, K.**, Mendez Murillo, R., Faust, K., and Castellanos, S. (2026). “*Preparing for the Extreme Cold: Linking Motivations, Water Infrastructure, and Communication Practices to Protective Actions.*” *Weather, Climate, and Society*. 18-2. 519-529, <https://doi.org/10.1175/WCAS-D-25-0064.1>

- [J7] Mendez Murillo, R., Stephens, K. K., McGlone, M. S., Rabby, M., Faust, K. M., **Kim, K** and Castellanos, S.. (2026). “*Bridging Risk and Culture: Communicative Strategies for Encouraging Protective Behaviors in Spanish-Speaking Latina/o/x/e Communities During Extreme Weather Emergencies.*” Health Communication. 1-12. <https://doi.org/10.1080/10410236.2026.2697981>
- [J6] McGlone, M., Stephens, K., Rabby, M., Mendez Murillo, R., **Kim, K.**, Faust, K., and Castellanos, S. (2026). “*Water Conservation and Extreme Weather Preparedness Messages: Helping Utilities Communicate to Encourage Public Cooperation.*” Journal of Contingencies and Crisis Management. 34-1. <https://doi.org/10.1111/1468-5973.70138>
- [J5] **Kim, K.**, Tiedmann H. R., and Faust K. M.. (2025). “*Exploration of Organizational Changes and Perceived Productivity Shifts Driven by COVID-19: A Comparative Study.*” (ASCE) Journal of Management in Engineering. 41(5). 04025036. <https://doi.org/10.1061/JMENE/MEENG-6754>
- [J4] **Kim, K.**, Stephens, K. K., McGlone, M. S., Rabby, M., Mendez Murillo, R., Castellanos, S., and Faust, K. M. (2025). “*Enhancing Individual Disaster Preparedness by Improving Message Effectiveness, Risk Perception, and Trust.*” Sustainable Cities and Society. 121. 106164. <https://doi.org/10.1016/j.scs.2025.106164>
- [J3] **Kim, K.**, Ciszek, E., Ki, W., and Faust, K. M.. (2025). “*Building institutional trust during disasters: An organization-public relationship examination of public service organizations (PSOs).*” International Journal of Disaster Risk Reduction. 118, 105253. <https://doi.org/10.1016/j.ijdrr.2025.105253>
- [J2] **Kim, K.**, LaPatin M., Walsh K. P., Poleacovschi C., Feinstein S., and Faust K. M.. (2025). “*Moral Sensitivity amongst Engineering Students in a Natural Disaster Context.*” (ASCE) Journal of Civil Engineering Education. 151(2), 04024009. <https://doi.org/10.1061/JCEEC/DEIENG-2096>
- [J1] **Kim, K.**, Tiedmann H. R., and Faust K. M.. (2025). “*Construction Industry Changes Induced by The COVID-19 Pandemic.*” Engineering, Construction and Architectural Management. 32(7), 4413-4438. <https://doi.org/10.1108/ECAM-09-2023-0983>.

Manuscripts in Under Review

- [J12] Chung, I., **Kim, K.**, Potts, J., LaPatin, M. and Faust K. M.. (202x). “*Fostering success in civil Engineering graduate programs: the roles of departmental culture, advisor support, and academic Self-Concept*” Journal of Civil Engineering Education (Under Review)
- [J11] **Kim, K.**, Roy A., and Faust K. M.. (202x). “*Data Driven Decision-Making Modeling for Construction Organizations: Optimizing Complex Challenges in Resource Allocation.*” (ASCE) Journal of Management in Engineering. (Under Review)

Manuscripts in Preparation

- [J14] **Kim, K.**, Ciszek, E., Ki, W., and Faust, K. M.. (202X). “*Living in a Permanent Crisis: Trust, Redress, and Adaptation a Decade After the Flint Water Crisis.*” (In Preparation).
- [J13] Chio, S and **Kim, K.** (202x). “*What Retains Early-Career Construction Engineers? an Exploratory study integrating the job design factors and Person-Organization fit.*” (In Preparation).

Conference Proceedings

- [C7] Chowdhury, A., Sigdel, K., and **Kim, K.** (2026). “*Advances in AI-Based Project Cost and Schedule Estimation: A Systematic Review.*” 2026 ASCE International Conference on Computing in Civil Engineering, Song-Do, Incheon-Si, South Korea.
- [C6] **Kim, K.**, Roy A., and Faust K. M.. (2026). “*Data-Driven Decision-Making Modeling for Construction Organizations: Optimizing Complex Challenges in Resource Allocation.*” CI CRC Joint Conference 2026. San Antonio, Texas, US.

- [C5] **Kim, K.** and Faust K. M.. (2025). “*Critical Review of Multidimensional Organizational Performance Measurement Models in Construction.*” 23rd CIB World Building Congress, 19th – 23rd May 2025, Purdue University, West Lafayette, US.
- [C4] **Kim, K.**, Tiedmann H. R., and Faust K. M.. (2024). “*Construction Industry Changes Induced by The COVID-19 Pandemic: Impacts on Work Productivity.*” CI CRC Joint Conference 2024. Des Moines, Iowa, US.
- [C3] **Kim, K.**, Faust, K. M., Leite, F.. (2023). “*Simulation modeling efforts in the construction industry: Integrated application of BIM and agent-based modeling.*” 2023 ASCE International Conference on Computing in Civil Engineering, Corvallis, OR, United States.
- [C2] **Kim, K.**, Tiedmann H. R., and Faust K. M.. (2023). “*Construction Industry Changes Induced by the COVID-19 Pandemic: A Comparison of South Korea and The United States.*” CSCE Annual Conference, Moncton, NB, Canada.
- [C1] Barrens, S., LaPatin, M., **Kim, K.**, Poleacovschi, C., Padgett-Walsh, K., Feinstein, S., Rutherford, C., Nguyen, L., Faust, K.M.. (2022). “*Evaluating Engineering Students’ Moral Sensitivity through a Natural Disaster Case Study.*” American Society for Engineering Education Conference (ASEE), Minneapolis, MN

Presentations and Posters

- [P8] Chowdhury, A., Sigdel, K., and **Kim, K.** (2026). “*Advances in AI-Based Project Cost and Schedule Estimation: A Systematic Review.*” 2026 ASCE International Conference on Computing in Civil Engineering, Song-Do, Incheon-Si, South Korea.
- [P7] **Kim, K.**, Roy A., and Faust K. M.. (2026). “*Data-Driven Decision-Making Modeling for Construction Organizations: Optimizing Complex Challenges in Resource Allocation.*” CI CRC Joint Conference 2026. San Antonio, Texas, US.
- [P6] **Kim, K.** and Faust K. M.. (2025). “*Critical Review of Multidimensional Organizational Performance Measurement Models in Construction.*” 23rd CIB World Building Congress, 19th – 23rd May 2025, Purdue University, West Lafayette, US.
- [P5] **Kim, K.**, Tiedmann H. R., and Faust K. M.. (2024). “*Construction Industry Changes Induced by The COVID-19 Pandemic: Impacts on Work Productivity.*” CI CRC Joint Conference 2024. Des Moines, Iowa.
- [P4] **Kim, K.** and Faust K. M.. (2024). “*Construction Industry Changes in Response to the COVID-19 Pandemic.*” UT CAEE Graduate Symposium, The University of Texas at Austin, Austin, TX
- [P3] **Kim, K.**, Faust, K. M., Leite, F.. (2023). “*Simulation modeling efforts in the construction industry: Integrated application of BIM and agent-based modeling.*” 2023 ASCE International Conference on Computing in Civil Engineering, Corvallis, OR.
- [P2] **Kim, K.**, Tiedmann H. R., and Faust K. M.. (2023). “*Construction Industry Changes Induced by the COVID-19 Pandemic: A Comparison of South Korea and The United States.*” CSCE Annual Conference, Moncton, NB, Canada.
- [P1] **Kim, K.**, Tiedmann H. R., and Faust K. M.. (2023). “*Construction Industry Changes Induced by the COVID-19 Pandemic: A Comparison of South Korea and The United States.*” UT CAEE Graduate Symposium, The University of Texas at Austin, Austin, TX.

Technical Reports

- [T1] Faust K. M., S. Felton, D. Frank, K. Howell, **Kim, K.**, and Tiedmann H. R.. (2023). “*Construction Industry Changes: Beyond the Pandemic.*” Research Report 400, Construction Industry Institute, The University of Texas at Austin, Austin, TX.

HONORS AND AWARDS

- 2026 **Teacher of the Year.** Department of Civil and Construction Engineering and Management, The University of Texas at Tyler. (student-selected)
- 2024 **Sam and Hema Kumar Construction Engineering and Project Management Program Travel Grant.** The University of Texas at Austin.
- 2023 **Tucker Hudson Kumar Endowed Presidential Fellowship in Construction Engineering and Project Management,** Cockrell School of Engineering, The University of Texas at Austin.
- 2023 **Sam and Hema Kumar Construction Engineering and Project Management Program Travel Grant.** The University of Texas at Austin.
- 2022 **International Student and Scholar Service Financial Award,** The University of Texas at Austin.

PROFESSIONAL ACTIVITIES & SERVICE

Membership

American Society of Civil Engineers (ASCE) – M.ASCE, 2023 – Present
ASCE Construction Research Council, 2026 – Present

Manuscript Reviewer

ASCE Journal of Construction Engineering and Management, May 2024 – Present
ASCE Journal of Civil Engineering Education, October 2025 – Present
ASCE Journal of Management in Engineering, May 2026 – Present
Journal of Trust Research, July 2026 – Present
International Journal of Disaster Risk Reduction, July 2026 – Present

Conference Reviewer

2026 ASCE International Conference on Computing in Civil Engineering, June 14 – 17, 2026
2026 ASCE CI & CRC Joint Conference, March 18 – 21, 2026
2025 CIB World Building Congress WBC2025, May 19 – 23, 2025
2024 ASCE International Conference on Computing in Civil Engineering, July 28 – 31, 2024
2024 ASCE CI & CRC Joint Conference, March 20 – 23, 2024
2023 ASCE International Conference on Computing in Civil Engineering, June 25 – 28, 2023

Student Club Advising

ASCE Concrete Canoe Advising, August 2025 – Present

Mentoring

- [PM7] Kriti Sigdel (Graduate student in Civil and Construction Engineering and Management, The University of Texas at Tyler). *AI-Based Project Cost and Schedule Estimation*
- [PM6] Aditya Chowdhury (Graduate student in Civil and Construction Engineering and Management, The University of Texas at Tyler). *AI-Based Project Cost and Schedule Estimation*

- [PM5] Isaac Prieto (Undergraduate student in Civil Engineering, The University of Texas at Austin). *Community adaptation to Flint water crisis*; Program: Exploring engineering research program
- [PM4] Anny Kreiser (Graduate student in Civil Engineering, The University of Texas at Austin). *Culturally Appropriate Language and Messaging for Influencing End User Behavior During Impending Infrastructure Failures*; Funder: NSF
- [PM3] Yuze (Jason) Li (Undergraduate student in Environmental Engineering, The University of Texas at Austin). *The Role of Social Media in Facilitating Communication and Support for Vulnerable Populations during Winter Storms: Exploring Informational Incongruencies in Disaster Communication*; Program: Exploring engineering research program
- [PM2] Leo J. Ramsey-Watson (Undergraduate student in Planetary Astronomy and Science, University of Florida). *Wildfire Drill Simulation*; Program: 2023 Summer Research Experience for Undergraduates program
- [PM1] Ruojun (Alex) Lu (Undergraduate student in Mechanical Engineering, The University of Texas at Austin). *Collaborative: Standard: Institutions in Student Organizations Cultivating Cultures of Ethical Engineering*; Funder: NSF