



Books = 1
Edited Volume = 1
Book Chapters = 28
Journal Articles = 24
Conference Proceedings = 36
Conference Presentations = 43
Conference Discussants = 4
Invited Lectures = 12
Exhibitions = 18 national and international
Awards = 4
Grants awarded = 23
Grants declined or pending: 34
Other funding =
Research Cited in Peer-reviewed venues =

Faculty Accomplishments in Research, Scholarship, and Creative Activity, 2024

The Architecture Research and Design Center (ARDC) facilitates and coordinates research and design activities within the College of Architecture (CoA). The Center assists faculty and students in their research/scholarship/creative endeavors, serves as a liaison to other research centers and institutes, and provides architectural/research services to the community.

The ARDC is headed by the Associate Dean for Research of the CoA and showcases faculty research, scholarship, and creative activities and houses a permanent collection of faculty productions. A list of faculty expertise is also available.

In the calendar year 2023, CoA faculty have published two books and re-printed one; eight book chapters; eighteen peer-reviewed journal articles; eleven conference proceedings; two technical reports. Faculty presented eight peer-reviewed papers at national and international conferences; were discussants at four conferences; gave thirty-one invited lectures in national and international venues. Faculty have exhibited their creative work in five international and national venues.

CoA faculty applied for a total of \$15,806,359 in grants from international, national, and state entities. One faculty in collaboration with colleagues the College of Human Sciences has submitted as co-Principal Investigator a \$15 million National Science Foundation, which

is pending. Faculty have won \$388,951 in grants, with an additional \$256,903 pending review.

Additionally, faculty have organized conferences and workshops nationally, served as peer reviewers of journal articles and books, and served as panelists, nominators, and editors. Faculty also exhibited the work of their students at the local First Friday Art Trail and other venues. Full details of their research related activities are presented in the following pages.

Clifton Ellis, Ph.D.,
Associate Dean for Research
Elizabeth Sasser Professor of Architectural History

Single Authored Volumes

Mehan, A. (2024). The Affective Agency of Public Space: Social Inclusion and Community Cohesion. *De Gruyter Contemporary Social Sciences* (1st Edition ed., vol. 22, pp. 160 pages). Berlin and Boston: De Gruyter Brill Publisher.

Edited Volumes

Asma Mehan (Ed.), *After Oil: A Comparative Analysis of Oil Heritage, Urban Transformations, and Resilience Paradigms* (1st Edition ed.). Cham: 'Heritage Studies' book Series, Springer Nature.

Book Chapters

Hunt, E. PAPER CLAY FORMWORK: A SUSTAINABLE APPROACH FOR LARGE SITE CAST ASSEMBLIES. In Shelby Doyle, Frank Melendez, Kelly Murphy, and Jonathan Scelsa (Ed.), *Claying Architecture*. Architecture Research + Design.

Khan, Z., Khairnar, P., Khan, F. (2025). HUMAN BEHAVIOR IN URBAN ECOLOGY: MENTAL HEALTH AND CLIMATE CHANGE. In Dr. Saroj Pachauri and Dr. Ash Pachauri (Ed.), *Unveiling the Climate Change and Health Dynamic*. New York: Independently Published by the POP Academy.

McReynolds, V. (2024). Rolling into Darkness. In Antoinette LaFarge, Jesse Colin Jackson (Ed.), *Engaging the Margins: Experimental Practices in Interdisciplinary Art*. Leiden: Brill.

McReynolds, V. (2024). Light 110. In Rafael Beneytez-Durán and Javier García-Germán (Ed.), *Bodies of Air*. Barcelona: ACTAR.

Mehan, A., Mostafavi, S. (2024). Immersive Art and Urban Heritage: An Interdisciplinary Study of Socio-Environmental Justice in Houston and

- Amsterdam. *Decoding Cultural Heritage* (pp. 439-456). Springer Nature Switzerland.
- Mehan, A. (2024). In Asma Mehan (Ed.), *After Oil: A Comparative Analysis of Oil Heritage, Urban Transformations, and Resilience Paradigms* (1st Edition ed.). Cham: 'Heritage Studies' book Series, Springer Nature.
- Mehan, A. (2024). Reimagining Industrial Legacy: Strategic Urban Adaptation for Climate Resilience in an Era of Radical Environmental Change. *Lecture Notes in Networks and Systems* (pp. 321-329). Cham: Springer Nature Switzerland.
- Seyedi, S. A., Mehan, A. (2024). Sustainable Transition in Iran's Oil Towns: A Focus on Masjed Soleyman. *Lecture Notes in Networks and Systems* (pp. 14-23). Springer Nature Switzerland.
- Mehan, A., Casey, Z. (2024). The Petrological Imprint: A Comprehensive Study of Spindletop's Role in the Morphogenesis of the Golden Triangle of Texas. *Lecture Notes in Networks and Systems* (pp. 3-13). Springer Nature Switzerland.
- Fathi, M., Nasya, B., Mehan, A., Mariotti, J., Astrouskaya, T. (2024). Homemaking or Placemaking? Understanding Home and Place among Vulnerable Populations. In Tatiana Ruchinskaya, Alexandra Delgado-Jiménez, Carlos Smaniotto Costa, Conor Horan, Gülce Kirdar, and Cristina Palmese (Ed.), *Placemaking in Practice Volume 3* (vol. Volume 3, pp. 37–56). Leiden: Brill.
- Kimic, K., Polko, P., Hansen, P., Mehan, A. (2024). Different Types of Questionnaires as a Tool in Placemaking Research. *Placemaking in Practice Volume 2* (pp. 101-120). Leiden: BRILL.
- Kripa, E., Mueller, S., Barajas, G., Gandara, A. (2024). Place-based Design Curriculum for Environmental and Spatial Justice Education. 2023 ACSA/EAAE Teacher's Conference: *Educating the Cosmopolitan Architect [Conference Proceedings]*.
- Kripa, E., Mueller, S. (2024). Drawn Across Borders. In Adam Marcus and Andrew Kudless (Ed.), *Drawing Codes: Experimental Protocols in Architectural Representation*.
- Suter, A., Tuominen, P., Mehan, A., Polko, P., Kimic, K., Tappert, S. (2024). Digital Citizen Participation in a Comparative Context: Co-Creating Cities through Hybrid Practices. *Placemaking in Practice Volume 2* (pp. 156-180). BRILL.
- Polko, P., Mehan, A., Kimic, K., Tappert, S., Suter, A., Petrovski, A. (2024). Participatory Budgeting as an Inclusive Placemaking Driver: Different European and American Practices. *Placemaking in Practice Volume 2* (pp. 42-

68). BRILL.

Seyedi, S. A., Mehan, A. (2024). Sustainable Transition in Iran's Oil Towns: A Focus on Masjed Soleyman. In Calabrò, F., Madureira, L., Morabito, F.C., Piñeira Mantiñán, M.J. (eds) (Ed.), *In: Calabrò, F., Madureira, L., Morabito, F.C., Piñeira Mantiñán, M.J. (eds) Networks, Markets & People. NMP 2024.* (1st Edition ed., vol. 1183, pp. 14-23). Cham: Springer.

Mehan, A., Casey, Z. S. (2024). In Calabrò, F., Madureira, L., Morabito, F.C., Piñeira Mantiñán, M.J. (eds) (Ed.), *The Petrological Imprint: A Comprehensive Study of Spindletop's Role in the Morphogenesis of the Golden Triangle of Texas* Print ISBN 978-3-031-74500-3 (1st Edition ed., pp. 3-13). Cham: Springer.

Mehan, A., Mostafavi, S. S. (2024). Transition. In Andrea Crudeli (Ed.), *ADAPTIVE REUSE: Theoretical Glossary and Design Labs* (1st Edition ed., pp. 150-153). Florence: STH Press.

Mehan, A. (2024). Decolonizing Architectural Pedagogy: Radical Cities Over Time and Through Space. In Cole, D.R., Rafe, M.M., Yang-Heim, G.Y.A. (eds) (Ed.), *Educational Research and the Question(s) of Time* (1st Edition ed., pp. 387–400). Singapore: Springer.

Mehan, A. (2024). From exported modernism to rooted cosmopolitanism: Middle East architecture between socialism and capitalism. In Lennart Wouter Kruijer, Miguel John Versluys, Ian Lilley (Ed.), *Rooted Cosmopolitanism, Heritage and the Question of Belonging: Archaeological and Anthropological perspectives* (1st Edition ed., pp. 290). London: Routledge.

Mehan, A., Odour, N., Mostafavi, S. (2024). Socio-Spatial Micro-Networks: Building Community Resilience in Kenya. In Cheshmehzangi, A., Sedrez, M., Zhao, H., Li, T., Heath, T., Dawodu, A. (eds) (Ed.), *Resilience vs Pandemics* (1st Edition ed., pp. 141–159). Singapore: Springer.

Mehan, A. (2024). DECOLONIZING ARCHITECTURAL PEDAGOGY: Radical Cities over time and through Space. In Edited by David R. Cole, Mehri Mirzaei Rafe & Gui Ying Annie Yang-Heim (Ed.), *Handbook of Educational Research and the Question(s) of Time* (1st Edition ed., pp. 483-501). Cham: Springer Nature.

Mueller, S. (2024). Anti-Desertification Architecture: Aeolian Assemblies. In Mitra Kanaani (Ed.), *Smart Design Thinking*. Routledge.

Mueller, S., Kripa, E. (2024). Irradiated Histories, Irradiated Futures (Working Title). In Gabriel Esquivel (Ed.), *Design Technology and Digital Production: An Architecture Anthology*. Routledge.

- Mostafavi, S., Montejano Henandez, E., Bao, N. (2024). Smart Materials as Architected Porous and Hybrid Systems to Produce Performative Building Components. In Mitra Kanaani (Ed.), *The Routledge Companion to Smart Design Thinking in Architecture & Urbanism for a Sustainable, Living Planet.* Routledge.
- Mostafavi, S. S., Bagheri, B., Bao, D. W., Mehan, A. (2024). Smart Prototyping: From Data-Driven Mass-Customization to Community-Enabled Co-Production. In Mitra Kanaani (Ed.), *The Routledge Companion to Smart Design Thinking in Architecture & Urbanism for a Sustainable, Living Planet* (1st Edition ed., pp. 633-642). London: Routledge
- Mostafavi, S., Mehan, A. (2024). De-Coding Visual Cliches and Verbal Biases: Hybrid Intelligence and Data Justice. *Diffusions in Architecture* (pp. 150-159). Wiley.
- Taylor, C. (2024). Tugging Worlds: Land Art of Claudia Vásquez. In Claudia Vásquez Gómez (Ed.), *Claudia Vásquez Gómez - artista visual - obras / visual artis - art works - 2007-2024* (pp. pp. 152-165). Santiago de Chile:.

Journal Articles

- Alizadeh, H., Kohlbacher, J., Mehan, A., Yousefi, Z. (2024). Kurdish women's interactions in European urban public space and the extent of their social integration. *European Planning Studies*, 1-26.
- Arja, L. (2024). Clay 3D printed hydroponics: A paradigm to address global food insecurity. *SAGE Publications*, 22(4), 589-604.
- Attarhay Tehrani, A., Veisi, O., Kia, K., Delavar, Y., Bahrami, S., Sobhaninia, S., Mehan, A. (2024). Predicting urban Heat Island in European cities: A comparative study of GRU, DNN, and ANN models using urban morphological variables. *Urban Climate*, 56, 1-27.
- Khairnar, P., Alzoubi, B. Multi-Objective Optimization Framework for Minimizing Environmental Impacts of High-Rise Building Construction: A BIM-Integrated Approach. *Architecture*(Special Issue).
- Ghazvinian, A. (2024). Controlling the Uncontrollable. *Hyphen*, 1.
- Marcus, A., Ng, T. Y., Mostafavi, S. S., Baharlou, E., Yablonina, M. (2024). Ecological Levers: On Degrees of Autonomy and Interdependence (Editorial). *International He*, C. (2024). Quasi-Autonomous Design in Phygital Fabrication. *ACADIA/CAADRIA Joint Exhibition Habits of the Anthropocene. of Architectural Computing*.

- Mehan, A., Mostafavi, S. S. (2024). Immersive Urban Narratives: Public Urban Exhibit and Mapping Socio-Environmental Justice. *European Journal of Creative Practices in Cities and Landscapes*, 6(2), 117–138.
- Mehan, A., Dominguez, N. (2024). Interdisciplinary Urban Interventions: Fostering Social Justice Through Collaborative Research-Led Design in Architectural Education. *MDPI AG*, 4(4), 1136-1158.
- Mehan, A., Dominguez, N. (2024). Feminism in the Borderscape: Juarese Women Against Injustice. *Frontiers in Sociology*, 9, 1391529.
- Mehan, A., Dominguez, N. (2024). Feminism in the borderscape: Juarese women against injustice. *Frontiers Media SA*, 9.
- Mehan, A., Dominguez, N. (2024). The Feminist Struggle in Ciudad Juarez: Diverse Voices and External Pressures. *Cultivate: The Feminist Journal of the Centre for Women's Studies*, 1(6), 44-51.
- Mehan, A., Mostafavi, S. S. (2024). Emerging technologies in urban design pedagogy: augmented reality applications. *Architectural Intelligence (ARIN)*, 3(29), 1-14.
- Mehan, A., Mostafavi, S. S. (2024). Immersive Art and Urban Heritage: An Interdisciplinary Study of Socio-Environmental Justice in Houston and Amsterdam. *Decoding Cultural Heritage: A Critical Dissection and Taxonomy of Human Creativity through Digital Tools*, 439–456.
- Mehan, A., Mostafavi, S. S. (2024). Spatial justice through immersive art: an interdisciplinary approach. *DRS2024: Boston*, 1-15.
- Mehan, A. (2024). Informal feminist placemaking: a new perspective on urban activism and gender equality. *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*, 1-12.
- Mehan, A. (2024). Artistic Activism and Feminist Placemaking in Iran's 'Women, Life, Freedom' Movement. *MOZAIK E-ZINE*(4th Edition), 8-21.
- Mehan, A. (2024). Informal and Revolutionary Feminist Placemaking. *Frontiers in Sociology*, 9(Sec. Gender, Sex and Sexualities), 1-9.
- Mehan, A. (2024). Digital Feminist Placemaking: The Case of the "Woman, Life, Freedom" Movement. *Urban Planning*, 9, 1-19.
- Mehan, A. (2024). Digital Feminist Placemaking: The Case of the "Woman, Life, Freedom" Movement. *Cogitatio*, 9.
- Omraniazizabad, S., Mahdavinejad, M., Hadighi, M. Three-Dimensional Embodied

Visibility Graph: Investigating and Analyzing Values Along an Outdoor Path. *Environment and Planning B: Urban Analytics and City Science*, 1(15), 18.

Salkhi Khshraghi, S., Mehan, A., Hakimi Oskui, A. (2024). Comparative study of social sustainability between Western cities and Iranian historical cities. *Journal of Architecture and Urbanism*, 48(2), 141-150.

Tappet, S., Mehan, A., Tuominen, P., Varga, Z. (2024). Citizen Participation, Digital Agency, and Urban Development. *Urban Planning*, 9(Editorial 7810), 1-6.

Taylor, C., Forslund, L. (2024). How we've shaped the land, and how it has shaped us. *Nomad*, 16, pp. 136-145.

Zhu, X., **Qiu, L.**, Lee, H., Lee, C. (2024). Understanding Children's Active School Commute, Independent Mobility, and Physical Activity in Austin, Texas, USA: Roles of Physical Environments. *Frontiers of Architectural Research*.

Qiu, L.¹, Chen, X., Ma, H., Jin, M., Wang, M. (2024). Computer-Aided Hospital Layout Optimization Based on Patient Flow Analysis: A Case Study from China. *Journal of Building Engineering*.

Conference Proceedings

He, C. (2024). Quasi-Autonomous Design in Phygital Fabrication. *ACADIA/CAADRIA Joint Exhibition Habits of the Anthropocene*.

Hunt, E. *Integrating 3D-Printed Ceramic-Based Evaporative Cooling into Studio Teaching*. 2025 ACSA/AIA Intersections Research Conference: NEW HOUSING PARADIGMS.

Hunt, E. *3D-Printed Ceramic Evaporative Cooling Systems for Sustainable Architecture Pedagogy: Design and Outcomes*. ACSA 113th Meeting.

Hunt, E., Wall, Z. *Earth-Based Materials for Digital Fabrication*. ACSA 113th Meeting.

Hunt, E., Hitch, N. L. *Wattle, Robot, and Daub: Looking Backwards to Move Towards a More Integrated Digital/Analog Construction Ecosystem*. 2024 International Conference | Conferencia Internacional INFLECTIONS | INFLEXIONES.

¹ Co-first author.

- Cardenas, J., Maggard, C., Moya, M., Regier, M., Ghiyasi, T., Ghazvinian, A. (2024). *Innovative Reclamation and Design: A Dome Structure from Reclaimed Golf Clubs*. International Association of Shell and Spatial Structures.
- Ghazvinian, A., Eshaghi, S., Vaez Afshar, S. (2024). *Play/Learn/Teach; New Realities and Playful Learning for Architectural Education*. ACADIA.
- Hadighi, M., Hadighi, M. Donald Judd's Approaches to Art and Architecture, Methods for Resource Management: Lessons from West Texas to the Mediterranean. *Landscape Across the Mediterranean*. Reggio Calabria: Springer.
- Hadighi, M. *College Town Modernism: Territorial Resiliency in William Caudil's Single-Family Houses in College Station, Texas*. Barcelona: ASCAAD.
- Hadighi, M., Hadighi, M. *Computational Design Without Computers: Donald Judd's Territorial Resiliency in Marfa, TX*. Barcelona: ASCAAD.
- Vaez Afshar, S., Eshaghi, S., Hadighi, M. *Dialogues with the Past: AI-Driven Gamification for Heritage Education*. Montreal: Design Computing and Cognition.
- Salahi, S., Hadighi, M. *Qajar Era Houses in Shiraz, Iran: A Shape Grammar for Hybridity*. Montreal: Design Computing and Cognition.
- Hadighi, M. Hybridity in Architectural Design: Past, Present, and into the Unknown. *Architecture into the Unknown*. Aarhus: ARCC/EAAE.
- Hadighi, M., Hadighi, M. Space as Oddity: Donald Judd's 100 untitled work in mill aluminum. *Space Oddity: On Spatial Narratives* (pp. 12). Lisbon: Universidad Catolica Portuguesa.
- Mehan, A. (2024). Perishable Traces: Reconstructing the History of Iranian Women Architects. In <https://doi.org/10.4995/ICAG2023.2023.16528> (Ed.), *ICAG 2023 - VI International Conference on Architecture and Gender* (1st Edition ed., pp. 522-530). Valencia: Editorial Universitat Politècnica de València.
- Montejano Henandez, E., Mostafavi, S. S. (2025). Hybrid of 3D printable lattice and 3D scanned non-standard wood. *113th ACSA Annual Meeting*. New Orleans: ACSA Press.
- Mostafavi, S. S., Bagheri, B., Scott, C., Howell, C., Montejano Henandez, E., Mehan, A. (2025). Mapping human agency in the AR-enabled co-production of

an urban community podium.. *113th ACSA Annual Meeting*. New Orleans: ACSA Press.

Mostafavi, S., Bagheri, B., Scott, C., Montejano Henandez, E., Howell, C., Mehan, A. (2025). Integrated computational design to augmented production of timber-dowel structures: A multi-criteria system for informed variation and community co-production.. *CAADRIA 2025: Computer-Aided Architectural Design Research in Asia*. Tokyo: The Association for Computer-Aided Architectural Design Research in Asia (CAADRIA).

Mostafavi, S., Montejano Henandez, E., Bagheri, B., Howell, C., Etemadi, A., Mehan, A. (2024). *Robotic Concrete 3D Printing Continuous Toolpath Planning: From Single Curve to Voxel-based Systems for Design-to-production of Urban Furnitures*. Copenhagen: EAAE-ARCC Conference 2024, Architecture Into The Unknown.

Mostafavi, S. S., Mehan, A., Howell, C., Montejano Henandez, E., Stuckemeyer, J. (2024). FabriCity-XR: A Phygital Lattice Structure Mapping Spatial Justice – Integrated Design to AR-Enabled Assembly Workflow. In Germane Barnes & Blair Satterfield (Ed.), *112th ACSA Annual Meeting* (pp. 180-187). Vancouver: ACSA Press.

Mostafavi, S., Mehan, A., Montejano, E., Howell, C., Stuckemeyer, J. (2024). Phygital Mapping of Socio-Environmental Justice: From Material to Urban – An Interdisciplinary, Multi-Scalar Framework. *Disrupters on the Edge*. Vancouver, British Colombia: ACSA.

Montejano Henandez, E., Mostafavi, S. S. (2025). Hybrid of 3D printable lattice and 3D scanned non-standard wood. *113th ACSA Annual Meeting*. New Orleans: ACSA Press.

Mostafavi, S., Ghiyasi, T., Montejano Henandez, E., Howell, C. (2024). Timber-Dowel Reciprocal Lattice Structure: Design Computation, Robotic Production and Discrete Assembly. In In Block, P., Boller, G., DeWolf, C., Pauli, J., & Kaufmann, W.(eds.) (Ed.), *The International Association for Shell and Spatial Structures (IASS)*. Zurich: IASS.

Mostafavi, S., Montejano Henandez, E., Bagheri, B., Howell, C. (2024). Hybrid Circular Constructs: Symbiosis of Augmented Reality and Digital Fabrication For Discrete Assemblies With Reclaimed Material. In P. C. Herrera, P. Gómez, A. T. Estévez, & D. A. Torreblanca-Díaz (Eds.) (Ed.), *SIGraDi 2024*. Barcelona: Proceedings of the XXVIII International Conference of the Ibero-American Society of Digital Graphics (SIGraDi 2024).

Mostafavi, S., Montejano Henandez, E., Bagheri, B., Howell, C., Etemadi, A., Mehan, A. (2024). *Robotic Concrete 3D Printing Continuous Toolpath Planning: From Single Curve to Voxel-based Systems for Design-to-*

production of Urban Furnitures. Copenhagen: EAAE-ARCC Conference 2024, Architecture Into The Unknown.

Mostafavi, S. S., Mehan, A., Howell, C., Montejano Henandez, E., Stuckemeyer, J. (2024). FabriCity-XR: A Phygital Lattice Structure Mapping Spatial Justice – Integrated Design to AR-Enabled Assembly Workflow. In Germane Barnes & Blair Satterfield (Ed.), *112th ACSA Annual Meeting* (pp. 180-187). Vancouver: ACSA Press.

Mostafavi, S., Mehan, A., Montejano, E., Howell, C., Stuckemeyer, J. (2024). Phygital Mapping of Socio-Environmental Justice: From Material to Urban – An Interdisciplinary, Multi-Scalar Framework. *Disrupters on the Edge*. Vancouver, British Colombia: ACSA.

Mueller, S. Mitigating Over-Exposure: Radiation-Aware Design For Climate Justice in the Borderland. *ACSA 113th Annual Meeting: Repair [Conference Proceedings]*.

Raab, P. (2024). Settled: Culturally and Climatically Attuned Interventions for Ivujivik. 2024 Association of Collegiate Schools of Architecture (ACSA) 112th Annual Conference.

Seyedi, S. A., Khaghani, S., Mojtahzadeh, R., Mehan, A. (2024). Building Under Shadow of the Oil: The Formation and Development of Oil Company Towns in Southwestern Iran. *Bridging Gaps: Urban Planning for Coexistence* (pp. 67). Milano: Department of Architecture & Urban Studies (DASU), Politecnico di Milano.

Sun, K. (Presenter & Author), Vernacular Architecture Forum (VAF) 2024 Annual Meeting, Keweenaw, Michigan, United States of America, "Duality, Orientation, and Disorientation: A Queer Phenomenology of the High Line's Post-Industrial Gentrification and the Embodied Right to the City," National, peer-reviewed/refereed. (June 15, 2024).

Sun, K. (Presenter & Author), The International Conference on Urban Affairs, Routledge, University of Wisconsin-Milwaukee, Rutgers, The University of Sydney, Georgia State University, SAGE Publishing, New York City, NY, United States of America, "Walking and Spatial Justice: A Phenomenological Inquiry of the Right to Ethical and Sublime Urban Public Space," International, peer-reviewed/refereed. (April 2024)

Vaez Afshar, S., Eshaghi, S., Hadighi, M., Varinlioglu, G. (2024). From Past to Present: A Study of AI-driven gamification in heritage education. *Data-Driven Intelligence* (pp. 249-258). Nicosia.

Conference Presentations

- Alikhani, S. (Discussant), Seyedi, S. A. (Discussant), Mehan, A. (Discussant), 6th Annual Engaged Scholarship Symposium, Texas Tech University, Lubbock, Texas, "Connecting College Town Communities through Immersive Technology and Direct Interaction of Students and Local Communities," International, peer-reviewed/refereed, published in proceedings. (April 18, 2024).
- Alikhani, S. (Discussant), Mehan, A., United in Research Cross-Disciplinary Doctoral Conference, Texas Tech University, USA, Texas Tech University, USA, "Art for Community and Culture: Making Art and Urban Planning for Social Cohesion and Development in Lubbock and El Paso," National, peer-reviewed/refereed. (November 15, 2024).
- Alikhani, S. (Discussant), Mehan, A. (Discussant), 29th Interdisciplinary International Conference on the Environment (IICE), Department of Design, College of Health & Human Sciences, Texas Tech University, USA, "Heritage and Habitat: Analyzing the impact of Vernacular Architecture in Modern Iranian Residences," International, peer-reviewed/refereed. (November 1, 2024).
- Casey, Z. S. (Discussant), Mehan, A. (Discussant), 29th Interdisciplinary International Conference on the Environment (IICE), Department of Design, College of Health & Human Sciences, Texas Tech University, USA, Texas Tech University, USA, "Blue Infrastructure: An Exploration of Oceanic Networks and Urban-Industrial-Energy Interactions in the Gulf of Mexico," International, peer-reviewed/refereed. (November 2, 2024).
- Dianati, V. (Presenter & Author), Mehan, A. (Presenter & Author), Society of Architectural Historians (SAH 2024) Annual International Conference, SAH, Albuquerque, New Mexico, USA, "Shifting Landscapes of Digital and Urban Dissent: Dynamics of Neighborhood Resistance in the Screen Age," International, peer-reviewed/refereed, published in proceedings, published elsewhere. (April 18, 2024).
- He, C. (2024). Quasi-Autonomous Design in Phygital Fabrication.
ACADIA/CAADRIA Joint Exhibition Habits of the Anthropocene.
- He, C. Phygital Fabrication and the Evolution of Traditional Handicraft.
EAAE/ARCC Conference 2024 Architecture Into the Unknown.
- He, C. (2024). After Image Culture: From AI Materials to Material Tectonics.
NCBDS 40 Conference 2025 TOOL(ING): Innovations in Beginning Design Pedagogy. He, C., Central Academy of Fine Arts Lecture Series, Central Academy of Fine Arts (CAFA), Beijing, China, "Digital Substance: A New Luxury," International. (October 2024).

- He, C., 2024 2nd China International Science and Art Week, Chinese Academy of Science's Institute of Plasma Physics (ASIPP), Anhui, China, "Physical, Digital, and AI Collaboration," International, peer-reviewed/refereed. (October 1, 2024).
- He, C., RMIT Lecture Series, Royal Melbourne Institute of Technology (RMIT), Melbourne, AU, "Information Design in Architecture Construction," International, peer-reviewed/refereed. (August 2024).
- He, C., GeniusFactory Lecture Series, GeniusFactory, Beijing, China, "Urban Mining in the Era of ESG," International. (July 3, 2024).
- He, C., EAAE/ARCC CONFERENCE 2024 Architecture Into the Unknown, EAAE/ARCC, Aarhus, Denmark, "Phygital Fabrication and the Evolution of Traditional Handicraft," International, peer-reviewed/refereed, published in proceedings, published elsewhere. (June 2024).
- Lawrence, S., Mehan, A., Han, K., Ecologies of Coercion: Comparative Perspectives on Environmental Conservation Beyond Colonization, AHA (American Historical Association) 2024 Panel on Conservation and Environment, Chaired by Dr James Parker, San Francisco, US, "Ecologies of Coercion: Comparative Perspectives on Environmental Conservation Beyond Colonization," International, peer-reviewed/refereed, published in proceedings. (January 6, 2024).
- McReynolds, V. (Presenter & Author), National Conference on the Beginning Design Student, University of Louisiana at Lafayette School of Architecture and Design and Louisiana Tech University School of Design, Lafayette, Louisiana, "Energy Networks: Visualizing Broken Energetic Infrastructure," National, peer-reviewed/refereed, published in proceedings. (February 29, 2024).
- Mehan, A., Petrocultures 2024 Los Angeles (PC24LA), University of Southern California (USC), Los Angeles, USA, "After Oil: Re-envisioning a post-fossil-fuel Future and Industrial Heritage," International, peer-reviewed/refereed. (May 16, 2024).
- Mehan, A., Third Annual Greater Gulf Symposium, organized by the 'Center for History and Culture of Southeast Texas and the Upper Gulf Coast' at Lamar University, Beaumont, Beaumont, Texas, USA, "Transitioning Legacies: Urban Resilience in Post-Oil Southeast Texas," International, peer-reviewed/refereed, published in proceedings, published elsewhere. (April 15, 2024).
- Mehan, A., Southeast Conference of the Association for Asian Studies (2024

SEC/AAS), Wake Forest University, Winston-Salem, North Carolina, "Book Promotion: Tehran: from Sacred to Radical," International, peer-reviewed/refereed, published in proceedings. (January 2024).

Mehan, A., Southeast Conference of the Association for Asian Studies (2024 SEC/AAS), Wake Forest University, Winston-Salem, North Carolina, "Book Presentation Panel: 'Tehran: from Sacred to Radical'," International, peer-reviewed/refereed, published in proceedings. (January 26, 2024).

Mehan, A. (Panelist), International Conference 'Infrastructures of Representation, Infrastructures of Extraction: Energy, Environment, and Literary Form in World Literatures and Cultures', organized by the British Academy and hosted by the University of Southampton, Southampton, UK, "Navigating Petro-Cultural Narratives: The Role of Oil in Shaping Iranian National Identity and Cultural Heritage," International, peer-reviewed/refereed. (June 15, 2024).

Mehan, A. (Discussant), Exploring the Duality of Digital Doubles in Urban Design and Pedagogy, Max Planck Institute for Art History in Rome, Italy, Bibliotheca Hertziana - Max Planck Institute for Art History in Rome, Italy., "Digital Double: Situating and Troubling AI Technologies for Architectural Reconstruction and Urban Simulation," International, peer-reviewed/refereed. (October 25, 2024).

Mehan, A., Annual Alumni College Event, Humanities Center, Texas Tech University, USA, Humanities Center, "Transitioning Heritage: Critical Perspectives on Urban Perspectives on Urban Resilience in Post-Oil West Texas," Regional, peer-reviewed/refereed. (October 15, 2024).

Mehan, A., 'RC21-Research Committee on Urban and Regional Development, Conference: The politics and spaces of encounters Advancing dialogues between and within the Global North and the Global South, Urban Affairs Association (UAA), Santiago, Chile, "Climate Change and Urban Informality in the Global South: A Critical Analysis," International, peer-reviewed/refereed, published in proceedings. (July 25, 2024).

Mehan, A. (Presenter & Author), International Conference 'Women Designing and Planning for Social Equality: A political and feminist reading of practitioner's commitment to rethink practice, question theory and take space', ZHAW Institut Urban Landscape and the Swiss National Science Foundation (SNSF), Winterthur, Switzerland, "Empowering Social Equality through Digital Feminist Placemaking: A Study of Iran's "Woman, Life, Freedom" Movement," International, peer-reviewed/refereed, published in proceedings. (June 28, 2024).

Mehan, A. (Presenter & Author), Mostafavi, S. S. (Presenter & Author), International Conference '2024 Design Research Society (DRS) Boston: Resistance, Recovery, Reflection, Reimagination', College of Arts, Media, and Design, Northeastern University, Boston, USA, "Spatial Justice through

Immersive Art: An Interdisciplinary Approach," International, peer-reviewed/refereed, published in proceedings. (June 26, 2024).

Mehan, A. (Presenter & Author), European Research on Architecture and Urbanism International Conference (EURAU Milan 2024), In-Presence/The Body and The Space: The role of corporality in the era of virtualization, Politecnico di Milano, Milano, Italy, "Corporeality in Virtual Spaces: An Exploration through AR/VR Technologies," International, peer-reviewed/refereed, published in proceedings. (June 21, 2024).

Mehan, A. (Presenter & Author), Casey, Z. (Author Only), The 16th NESS - Nordic Environmental Social Science Conference (NESS2024), paper proposal submitted and accepted as part of panel 'Critical Maritime Infrastructure', Turku, Finland, "Oceanic Infrastructures as Boundary Objects: A Gulf of Mexico Case Study," International, peer-reviewed/refereed, published in proceedings. (June 5, 2024).

Mehan, A. (Presenter & Author), Mostafavi, S. S. (Presenter & Author), EAAE/ARCC Conference 2024 -Architecture into The Unknown, Aarhus School of Architecture, Aarhus, Denmark, "Interdisciplinary Collaboration and Inclusivity: Methodological Innovations in Architectural Practice and Pedagogy," International, peer-reviewed/refereed, published in proceedings. (May 26, 2024).

Mehan, A. (Presenter & Author), Casey, Z. S. (Presenter & Author), AAE/ARCC Conference 2024 -Architecture into The Unknown, Aarhus School of Architecture, Aarhus, Denmark, "Spindletop's Legacy: Shaping Texas Through Petroleum Development," International, peer-reviewed/refereed, published in proceedings. (May 25, 2024).

Mehan, A. (Chair), International Conference "Networks, Markets & People (NMP) 2024, Reggio Calabria Mediterranean University, Italy, Reggio Calabria, Italy, "Adaptive Reuse of Industrial Sites: Strategies for Climate Mitigation and Urban Sustainability," International, peer-reviewed/refereed, published in proceedings, published elsewhere. (May 23, 2024).

Mehan, A. (Presenter & Author), Casey, Z. S. (Presenter & Author), Networks, Markets & People International Symposium 2024: Communities, Institutions and Enterprises towards post-humanism epistemologies and AI challenges, UNESCO MED LAB – Mediterranean University of Reggio Calabria (Italy), with ASTRI Scientific Association and the National Italian Committee of ICOMOS, Reggio Calabria, Italy, "The Petrological Imprint: A Comprehensive Study of Spindletop's Role in the Morphogenesis of the Golden Triangle of Texas," International, peer-reviewed/refereed, published in proceedings, published elsewhere. (May 23, 2024).

Mehan, A. (Presenter & Author), Networks, Markets & People International

Symposium 2024: Communities, Institutions and Enterprises towards post-humanism epistemologies and AI challenges, UNESCO MED LAB – Mediterranea University of Reggio Calabria (Italy), with ASTRI Scientific Association and the National Italian Committee of ICOMOS, Reggio Calabria, Italy, "Reimagining Industrial Legacy: Strategic Urban Adaptation for Climate Resilience in an Era of Radical Environmental Change," International, peer-reviewed/refereed, published in proceedings. (May 22, 2024).

Mehan, A., 2024 International Conference on Urban Affairs, Urban Affairs Association, New York, USA, "Digital Activism: A Catalyst for Equity and Resilience in Urban Spaces Amid the COVID-19 Pandemic," International, peer-reviewed/refereed, published in proceedings, published elsewhere. (April 26, 2024).

Mehan, A., Reinventing the City, Scientific Conference, AMS (Amsterdam Institute for Advanced Metropolitan Solutions) Institute, Amsterdam, The Netherlands, "The Spatialities of the Oil in Southeast Texas and the Upper Gulf Coast," International, peer-reviewed/refereed, published in proceedings. (April 25, 2024).

Mehan, A., International Conference 'Motorway Architecture and Landscapes Retrospectives and Perspectives between Critique and Design', Department of Architecture and Design (DASTU), Politecnico di Milano, Milano, Italy, "Motorways as Catalysts of Post-Fordist Urban Transition: Turin and Detroit," International, peer-reviewed/refereed, published in proceedings. (March 2, 2024).

Mehan, A. (Discussant), THE RISE OF ASIA IN GLOBAL HISTORY AND PERSPECTIVE: Offline and online international and inter-trans-disciplinary conference, BANDUNG SPIRIT, Paris and Le Havre, France, "Collective Movements and the Dynamics of Social Movements in Iran," International, peer-reviewed/refereed, published in proceedings. (February 22, 2024).

Mehan, A. (Presenter & Author), Mostafavi, S. (Presenter & Author), Faro Convention International Conference 2024 – Transforming through Co-Creation: Participatory Heritage Practices tackling Urban Challenges, University of Porto, Portugal, Porto, Portugal, "Co-Creation and Adaptive Reuse: A Case Study in Industrial Heritage Management," International, peer-reviewed/refereed, published in proceedings, published elsewhere. (February 2, 2024).

Mostafavi, S. S. (Presenter & Author), Ghiyasi, T. (Presenter & Author), Howell, C. (Presenter & Author), Montejano Henandez, E. (Presenter & Author), IASS Conference, ETH Zurich, International Association of Spatial Structures, ETH Zurich, ETH Zurich, Switzerland, "Timber-Dowel Reciprocal Lattice System: Design Computation to Assembly, Case Study on Tetrahedral-Octahedral Voxelization.," International, peer-reviewed/refereed, published in

proceedings. (August 27, 2024).

Mostafavi, S. S. (Presenter & Author), Montejano Henandez, E. (Presenter & Author), Bagheri, B. (Presenter & Author), Howell, C. (Presenter & Author), Etemadi, A. (Presenter & Author), Mehan, A. (Presenter & Author), EAAE/ARCC Conference 2024 -Architecture into The Unknown, Aarhus School of Architecture, Aarhus, Denmark, "Robotic Concrete 3D Printing Continuous Toolpath Planning: From single curve to Voxel-based Systems for Design-To-Production of Urban Furniture," International, peer-reviewed/refereed, published in proceedings. (May 26, 2024).

Mostafavi, S. S. (Presenter & Author), Mehan, A. (Presenter & Author), Montejano Henandez, E. (Presenter & Author), Howell, C. (Presenter & Author), Stuckemeyer, J. (Presenter & Author), ACSA 112th Annual Meeting: DISRUPTERS ON THE EDGE, University of British Columbia, Vancouver, Canada, "Phygital Mapping of Socio-Environmental Justice: From Material to Urban – An Interdisciplinary, Multi-Scalar Framework," International, peer-reviewed/refereed, published in proceedings. (March 15, 2024).

Seyedi, S. A. (Presenter & Author), Mehan, A. (Presenter & Author), Networks, Markets & People International Symposium 2024: Communities, Institutions and Enterprises towards post-humanism epistemologies and AI challenges, promoted by the UNESCO MED LAB – Mediterranean University of Reggio Calabria (Italy), with ASTRI Scientific Association and the National Italian Committee of ICOMOS, Reggio Calabria, Italy, "Sustainable Transition in Iran's Oil Towns: A Focus on Masjed Soleyman," International, peer-reviewed/refereed, published in proceedings. (May 22, 2024).

Zugay, B., 54th Annual Meeting of the Popular Culture Association / American Culture Association, Popular Culture Association (an affiliated society of the American Historical Association), Chicago, IL, "Model Making and Moral Religious Formation in the American Protestant Sunday School," National, peer-reviewed/refereed. (March 29, 2024).

Invited Lectures

Zugay, B., 54th Annual Meeting of the Popular Culture Association / American Culture Association, Popular Culture Association (an affiliated society of the American Historical Association), Chicago, IL, "Model Making and Moral Religious Formation in the American Protestant Sunday School," National, peer-reviewed/refereed. (March 29, 2024).

Aranha, J., International Society for Study of Vernacular Settlements, Universidad de las Americas, Puebla, Mexico, Cholula, Mexico, "Climate and Architecture-lessons from the traditional nonwestern architecture," International. (September 25, 2024).

Aranha, J. (Presenter & Author), Lecture to Architecture Students, Universidad de las Americas, Puebla, Mexico, Cholula, Mexico, "Climate and Architecture-lessons from the traditional nonwestern architecture," International. (September 25,2024).

Aranha, J. (Presenter & Author), Lecture, University of Seville, Seville, Spain, "Heritage and Tradition in Nonwestern Architecture," International. (January 15, 2024).

Arja, L., University of Juba, South Sudan, "Agrarianism/ Ruralism," International, published elsewhere. (July 19, 2024).

Ghazvinian, A., The first Mycelium Symposium of Iran, University of Tehran, Online – University of Tehran, "Sym(bio)sis," International. (August 4, 2024).

He, C., Central Academy of Fine Arts Lecture Series, Central Academy of Fine Arts (CAFA), Beijing, China, "Digital Substance: A New Luxury," International. (October 2024).

- He, C., 2024 2nd China International Science and Art Week, Chinese Academy of Science's Institute of Plasma Physics (ASIPP), Anhui, China, "Physical, Digital, and AI Collaboration," International, peer-reviewed/refereed. (October 1, 2024).
- He, C., RMIT Lecture Series, Royal Melbourne Institute of Technology (RMIT), Melbourne, AU, "Information Design in Architecture Construction," International, peer-reviewed/refereed. (August 2024).
- He, C., GeniusFactory Lecture Series, GeniusFactory, Beijing, China, "Urban Mining in the Era of ESG," International. (July 3, 2024).
- Mehan, A., TECH+ Dallas 2024, The Architect's Newspaper and AEC + TECH, Dallas, Texas, "Emerging Technologies in Architectural Pedagogy," International, peer-reviewed/refereed. (September 25, 2024).
- Mehan, A. (Panelist), Professional Development Regional Studies Webinars, Regional Studies Association (RSA) in collaboration with AESOP_ Association of European Schools of Planning, "Career Transition from PhD to ECR," International, peer-reviewed/refereed, published elsewhere. (March 28, 2024).
- Mehan, A., Let's Talk About Urban Planning, Cogitatio Press' science communication project, Lisbon, Portugal, "Digital Feminist Placemaking: The Case of the "Woman, Life, Freedom" Movement," International, peer-reviewed/refereed, published elsewhere. (January 16, 2024).
- Taylor, C., Stieren Arts Enrichment Series lecture, Trinity University, San Antonio, Texas, Pedagogy of Weather," Regional, peer-reviewed/refereed. (February 29, 2024).

Exhibitions

- He, C. "Draw Me Like One of Your ...," Gallery 90220, Los Angeles, CA, USA. (2024 - Present).
- He, C. "EcoForce Hydraulic Press (EHP)," 2024 China International Art and Science Festival, Hefei, Anhui, China. (2024 - Present).
- He, C. "Game of Automavision - Front Clipping Plane," Hanbury, Richmond, VA, USA. (2024 - Present).
- He, C. "Material Spolia," Australian Building and Property Association (ABPA VIC), Melbourne, Victoria, Australia. (2024 - Present).
- He, C. "Shenzhen Urban Encounter," Nanshan Digital Public Art Program, Shenzhen, Guangzhou, China. (2024 - Present).

He, C. "Shenzhen Urban Encounter II," 2024 City Light and Shadow Public Art Program, Shenzhen, Guangzhou, China. (2024 - Present)

He, C. "Denver Digerati + Night Lights Denver Commissioned Animation Program," Denver Digerati, Denver, CO, US. (2023 - 2024).

He, C. "Westin LED Denver 16th and ARAPAHOE STREET," Denver Digerati, Denver, CO, US. (2023 - 2024).

He, C. "Draw Me Like One of Your...," Gallery 90220, Los Angeles, CA, US. (December 2023 - January 2024).

Mehan, Asma: Biennale d'Architecture et de Paysage d'Île-de-France 2025 Contributor to the exhibition, curated by Locus and Philippe Rahm Architectes, which focuses on the implications of global warming on urban planning and architecture in northern temperate climates. The exhibit explores solutions inspired by subtropical and arid regions. The event will be held from May 16 to July 13, 2025, at the Ecole Nationale Supérieure d'Architecture de Versailles, Versailles, France.

Mehan, A. "'Architectures of Woman, Life, Freedom' Exhibit," Iranian Studies Biennial Conference, celebrating intersectional expressions of political agency and liberatory futures, National Museum of World Cultures, Mexico City, Mexico. (August 12, 2024 - August 15, 2024).

Mehan, Asma: "Constructing Futures" Exhibition, part of the 2024 Detroit Month of Design, focused on the future of construction and design for the built environment. The exhibition fosters dialogue among cultural institutions, universities, and industry partners and is held at 1001 Woodward Ave, Detroit. It opens on September 5, 2024, and is curated by Sara Codarin and Karl Daubmann of Lawrence Technological University.

Mehan, Asma: Louise Hopkins Underwood Center for the Arts (LHUCA), 'Community Design and Development Resources in Lubbock and El Paso, Texas' project exhibited in the public event day in *Icehouse Gallery, Lubbock's Art Trail, May 2024, Lubbock, West Texas, USA*.

Mostafavi, S. S., Mehan, A. "'Constructing Futures" Exhibition, part of the 2024 Detroit Month of Design," 2024 Detroit Month of Design, Detroit. (September 5, 2024).

Mostafavi, S. "Hybrid Circular Constructs - Final Review and Prototype Exhibition with external international reviewers (TU Wien & University of Virginia)," TTU-HCoA Robotic Lab. (December 12, 2023 - January 10, 2024).

Mueller, S., Kripa, E., Thun, G., Velikov, K. "Becoming Biomass [Regional Globalism in the Tennessee Valley Exhibit]," University of Tennessee Knoxville. (November

2024 - December 2024).

Awards

Mehan, Asma: Featured Scholar, Humanities Center, Texas Tech University, Humanities Center, Texas Tech University, Regional. 2024 Featured Scholar, Humanities Center, Texas Tech University

Mostafavi, Sina: Nominated for Bernie E. Rushing Jr. Faculty Distinguished Research Award, Texas Tech University, University. (2024).

Grants:

Arja, Logman

Awarded:

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Pending	3D Printed Clay Cookstove	Georgia Research Alliance	\$9,271	Arja, L. (Principal Investigator)	5%
Pending	3D Printed Clay Cookstove	Georgia Research Alliance	\$24,892	Arja, L. (Investigator)	5%

Arja, Logman: Other Attempts to Gain Funding

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Declined	Clay 3D Printed Hydroponics	CH Foundation	\$159,170	Arja, L. (Principal Investigator)	
Declined	Clay 3D Printed Hydroponics	Helen Jones Foundation	\$159,170	Arja, L. (Principal Investigator)	
Declined	3D Printed Ceramic Hydroponics	Helen Jones Foundation	\$115,170	Arja, L. (Principal Investigator)	
Declined	3D Printed Ceramic Hydroponics	CH Foundation	\$169,170	Arja, L. (Principal Investigator)	

Hadighi, Mahyar

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Current	Ship on the Desert: Then and Now	Historic Preservation Education Foundation - HPEF	\$5,984	(Lead Principal Investigator)	
In Development	EPA Environmental and Climate Justice Community Change Grants Track 1: Community Driven Investments for Change	Environmental Protection Agency (EPA)	\$12,473,068	Mueller, S. (Principal Investigator), Kripa, E. (Principal Investigator), Hadighi, M. (Principal Investigator), Barajas, G. (Principal Investigator), Mayer, A. (Lead Principal Investigator), Heyman, J. (Principal Investigator)	
Current	Documentation of Endangered Wood Architecture in East Timor, Indonesia	Endangered Wood Architecture Program Osgood Brookes University, UK	\$37,000	Aranha, J. (Principal Investigator), Hadighi, M. (Principal Investigator), Mahapatra, I. N. G. (Principal Investigator)	100%

Hunt, Erin

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Pending	Developing Thin Shell Structures Using Discretized Unreinforced Concrete Elements with 3D-Printed Clay Formwork	Architectural Research Centers Consortium	\$10,000	Hunt, E. (Principal Investigator), Khairnar, P. (Principal Investigator)	

Pending		American Institute of Steel Construction	\$19,750	Hunt, E., Raab, P.	
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Hunt, Erin: Other Attempts to Gain Funding

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Declined	Community-Driven Design: 3D-Printed Ceramic Pavilion for Lubbock	CH Foundation	\$48,500	Hunt, E. (Principal Investigator), Raab, P. (Investigator)	
Declined	Reimaging Brick: Sustainability Through Reuse and Innovative Clay 3D Printing	The Brick Industry Association	\$5,000	Hunt, E.	
Current	Practical Application of a Clay 3D Screen Block	Amarillo National Bank	\$27,331	(Lead Principal Investigator)	

Mehan, Asma: Current External Research Support

Year	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
2023	WebAR - Software sponsorship for one year of research and development of Web-Based Augmented Reality Phyigital Mapping	MyWebAR DEVAR	\$3,000	Mostafavi, S. (Lead Principal Investigator), Mehan, A. (Investigator)	40%

Mehan, Asma: Current Internal Research Support

Year	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution

2024	Scholarship Catalyst Program (SCP) 2024_Reviving Threads: Adaptive Reuse of the Cotton Heritage Industry in West Texas	Offices of the President, Provost, and Vice President for Research & Innovation	\$7,000	Mehan, A. (Lead Principal Investigator), Mostafavi, S. (Investigator)	80%
2024	2024-2025 Humanities Center's Alumni College Fellowship	Humanities Center, Texas Tech University	\$3,000	Mehan, A. (Lead Principal Investigator)	100%
2024	Scholarship Catalyst Program - WindCraft: Advancing Wind Integration in Architecture	Offices of the President, Provost, and Vice President for Research & Innovation	\$7,000	Mostafavi, S. (Lead Principal Investigator), Mehan, A. (Investigator)	20%
2023	Wind Craft - Advancing Wind Integration in Architecture, Scholarship Catalyst Program (SCP) 2024	Offices of the President, Provost, and Vice President for Research & Innovation	\$7,000	Mostafavi, S. (Investigator), Mehan, A. (Lead Principal Investigator)	20%

Mehan, Asma: Submitted or Pending Research Support

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Pending	Production and Presentation-Publication: The New Urban Energy Matters: Decoding Disruptive Transitions in a Post-Industrial World	Graham Foundation	\$30,000	Mehan, A. (Lead Principal Investigator), Mostafavi, S. S. (Principal Investigator)	50%

Mehan, Asma: Other Attempts to Gain Funding

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution

Declined	ATE Advanced Technological Education, EURECA 5.0: Empowering Underserved Regions through Educational and Construction Advancements in Industry 5.0	National Science Foundation	\$999,996	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	30%
In Development	EURECA 5.0 (Experiential Upskilling in Resilient and Emerging Construction Applications for Industry 5.0) (ExLENT)NSF	National Science Foundation	\$999,996	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	30%
Declined	Integrating Humanities in Architectural Education at Texas Tech University	NEH - National Endowment for the Humanities	\$149,854	Mehan, A. (Lead Principal Investigator), Mostafavi, S. S. (Principal Investigator)	60%
Declined	Re-envisioning Public Space in Port Cities: A Comparative Study of Amsterdam and Houston	National Science Foundation	\$331,017	Mehan, A. (Lead Principal Investigator), Mostafavi, S. S. (Principal Investigator)	60%
Current	ReDDDoT Phase 1: Planning Grant: Co-DREAM Tech: Building Community-Driven Resilience and Empowerment through Adaptive Manufacturing Technologies	National Science Foundation	\$74,986	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	30%
Current	ReDDDoT Phase 1: Planning Grant: Co-DREAM Tech: Building Community-Driven Resilience and Empowerment through Adaptive	National Science Foundation	\$299,946	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	25%

	Manufacturing Technologies				
Declined	ACT-Hi: Affordable Construction Technologies for Housing Empowerment Initiative	Arnold Ventures Foundation	\$300,000	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	33%
Declined	Architectural Humanities Steering Environmental Justice: Educating and Empowering Future Place Makers	Melon Foundation	\$491,000	Mehan, A. (Lead Principal Investigator), Mostafavi, S. S. (Principal Investigator)	60%
Declined	REACH Tech Strategic Initiative: Resilience Empowerment through Adaptive Community-led Hybrid Technologies.	TUF, Texas University Fund	\$640,000	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	33%
Current	2024 Global Exchange Research Faculty Exchange Seed Grants	Office of Provost-International Affairs, Texas Tech University	\$8,000	Mehan, A. (Lead Principal Investigator), Shams, A. R. (Investigator)	70%
Current	Awarded Travel Grant, Invited Keynote Lecture, Invitation to Present at the Third Annual Greater Gulf Symposium. Hosted by The Center for History and Culture at Lamar University in Beaumont, Texas, USA, on April 15-16, 2024. Selected for significant contribution to understanding the cultures of the greater Gulf region	The Center for History and Culture at Lamar University in Beaumont, Texas, USA	\$2,000	Mehan, A. (Lead Principal Investigator)	100%

Miller, Stephen: Current External Research Support

Year	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
2024	Ultraviolet Exposures	Andrew W. Mellon Foundation	\$450,000	Kripa, E. (Principal Investigator), Leyva, Y. (Principal Investigator), Mueller, S. (Principal Investigator)	33.33%
2024	NSF Convergence Accelerator Track K: Unraveling the Benefits,	National Science Foundation	\$650,000	Mayer, A. S. (Lead Principal Investigator), Heyman, J. (Principal Investigator), Jones, E. C. (Principal Investigator), Jenerette, G. D. (Principal Investigator), Mueller, S. (Principal Investigator), Chakraborty, J. (Supporting), Kripa, E. (Supporting), Pennington, D. (Supporting)	
	Costs, and Equity of Tree Coverage in Desert Cities				
2023	Buell Center Course Development Prize in Architecture, Climate Change, and Society	ACSA and Columbia University Buell Center	\$10,000	Kripa, E. (Principal Investigator), Mueller, S. (Principal Investigator)	50%

Miller, Stephen: Other Attempts to Gain Funding

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
In Development	EPA Environmental and Climate Justice Community Change Grants Track 1: Community Driven Investments for Change	Environmental Protection Agency (EPA)	\$12,473,068	Mueller, S. (Principal Investigator), Kripa, E. (Principal Investigator), Hadighi, M. (Principal Investigator), Barajas, G. (Principal Investigator), Mayer, A. (Lead Principal Investigator), Heyman, J. (Principal Investigator)	
In Development	EPA Environmental and Climate Justice Community Change Grants Track 2: Meaningful Engagement for Equitable Governance	Environmental Protection Agency (EPA)	\$3,000,000	Kripa, E. (Lead Principal Investigator), Mueller, S. (Principal Investigator), Washington, L. (Principal Investigator)	

Mostafavi, Sina

Year	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
2024	Supplementary College fund for Robotic 3D Printing Setup	Texas Tech University Huckabee College of Architecture	\$30,000	Mostafavi, S. (Principal Investigator)	
2023	Keynote Compensation - Transferred as Research Fund to	Nevada Museum of Art	\$1,834	Mostafavi, S. (Lead Principal Investigator)	60%

	Faculty of TTU-HCoA				
2023	WebAR - Software sponsorship for one year of research and development of Web-Based Augmented Reality Phyigital Mapping	MyWebAR DEVAR	\$3,000	Mostafavi, S. (Lead Principal Investigator), Mehan, A. (Investigator)	60%

Mostafavi, Sina: Current Internal Research Support

Year	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
2024	Scholarship Catalyst Program (SCP) 2024_Reviving Threads: Adaptive Reuse of the Cotton Heritage Industry in West Texas	Offices of the President, Provost, and Vice President for Research & Innovation	\$7,000	Mehan, A. (Lead Principal Investigator), Mostafavi, S. (Investigator)	20%
2024	Scholarship Catalyst Program - WindCraft: Advancing Wind Integration in Architecture	Offices of the President, Provost, and Vice President for Research & Innovation	\$7,000	Mostafavi, S. (Lead Principal Investigator), Mehan, A. (Investigator)	80%
2023	Wind Craft - Advancing Wind Integration in Architecture, Scholarship Catalyst Program (SCP) 2024	Offices of the President, Provost, and Vice President for Research & Innovation	\$7,000	Mostafavi, S. (Investigator), Mehan, A. (Lead Principal Investigator)	80%

Mostafavi, Sina: Submitted or Pending Research Support

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Pending	Global Exchange Research Seed Grants - Regenerative Built	International Affairs, Texas Tech University	\$8,000	Mostafavi, S. (Investigator)	100%

	Environment - Advancing biomaterials and robotic fabrication for circular construction				
Pending	Production and Presentation-Publication: The New Urban Energy Matters: Decoding Disruptive Transitions in a Post-Industrial World	Graham Foundation	\$30,000	Mehan, A. (Lead Principal Investigator), Mostafavi, S. S. (Principal Investigator)	50%

Mostafavi, Sina: Other Attempts to Gain Funding

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Declined	ATE Advanced Technological Education, EURECA 5.0: Empowering Underserved Regions through Educational and Construction Advancements in Industry 5.0	National Science Foundation	\$999,996	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	40%
In Development	EURECA 5.0 (Experiential Upskilling in Resilient and Emerging Construction Applications for Industry 5.0) (ExLENT)NSF	National Science Foundation	\$999,996	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	40%
Declined	Integrating Humanities in Architectural Education at Texas Tech University	NEH - National Endowment for the Humanities	\$149,854	Mehan, A. (Lead Principal Investigator), Mostafavi, S. S. (Principal Investigator)	40%
Declined	Re-envisioning	National Science	\$331,01	Mehan, A. (Lead	40%

ed	Public Space in Port Cities: A Comparative Study of Amsterdam and Houston	Foundation	7	Principal Investigator), Mostafavi, S. S. (Principal Investigator)	
Current	ReDDDoT Phase 1: Planning Grant: Co-DREAM Tech: Building Community-Driven Resilience and Empowerment through Adaptive Manufacturing Technologies	National Science Foundation	\$299,946	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	0.5%
Current	ReDDDoT Phase 1: Planning Grant: Co-DREAM Tech: Building Community-Driven Resilience and Empowerment through Adaptive Manufacturing Technologies	National Science Foundation	\$74,986	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	40%
Declined	ACT-Hi: Affordable Construction Technologies for Housing Empowerment Initiative	Arnold Ventures Foundation	\$300,000	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	34%
Declined	Architectural Humanities Steering Environmental Justice: Educating and Empowering Future Place Makers	Melon Foundation	\$491,000	Mehan, A. (Lead Principal Investigator), Mostafavi, S. S. (Principal Investigator)	40%
Declined	REACH Tech Strategic Initiative: Resilience Empowerment through Adaptive Community-led Hybrid Technologies.	TUF, Texas University Fund	\$640,000	Mostafavi, S. S. (Lead Principal Investigator), Nejat, A. (Principal Investigator), Mehan, A. (Principal Investigator)	34%
Declined	Global Exchange Research Seed Grants - TTU ETH	International Affairs, Texas Tech University	\$8,000	Mostafavi, S. (Investigator)	100%

	POROSIFY CONCRETE 3D PRINTING Advancing Additive- Subtractive Robotic Manufacturing for Lightweight 3D- Printed Buildings with Reduced Carbon Footprint.				
Declined	Interdisciplinary Course Development - Integrated Design to Production of Wind Resilient Environment	Columbia University's Temple Hoyne Buell Center for the Study of American Architecture & Association of Collegiate Schools of Architecture	\$10,000	Mostafavi, S. (Lead Principal Investigator)	75%

Intellectual Property (e.g., copyrights, patents)

Year	Patent Title	Patent Nationality	Inventors
	SYSTEM AND METHOD FOR DESIGNING AND FABRICATING A THREE-DIMENSIONAL RECIPROCAL LATTICE STRUCTURE, 'Timber-Dowel Reciprocal Lattice System.' This project encompassed the integrated computational design through robotic production and discrete assembly of lattice structures, utilizing timber elements as planar surfaces and dowels as reciprocal elements	United States	Mostafavi, S., Ghiyasi, T., Montejano Hernandez, E., Howell, C.

Taylor

Year	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution

	Land Arts of the American West Scholarships 2024	Matti & Henry Brown	\$5,000	Taylor, C.	
	Land Arts of the American West Scholarships 2024	James Family Foundation	\$10,000	Taylor, C.	
	Operational support for Land Arts of the American West 2024	Andrea Nasher	\$11,500	Taylor, C.	

Qiu, Lingyi: Other Attempts to Gain Funding

Status	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
Declined	Joseph G. Sprague New Investigator Award Proposal Understanding Older Adults' Participation in Wellness Programs and Social Engagement: The Roles of Physical Environments in Senior Living Communities	The Center for Health Design	\$15,000	Qiu, L.	
Declined	Helen Jones Foundation, Inc. FINAL PROPOSAL 2024 Proposal for 2025 Funding- Lubbock THRIVE! Transforming How Recreation Inspires Vibrant Experiences: Impact of the Civic Park on Urban Park Usage and Equitable Urban Planning and Design	The Helen Jones Foundation	\$51,894	Qiu, L. (Investigator)	100%

Qiu, Lingyi: Active Non-Funded Research

Status	Research Type	Working Title	Collaborators
Planning	Scholarly	Impact of the New Civic Park on Urban Park Visitation: Insights for Equitable Urban Planning and Environmental Design	
Planning	Scholarly	Correlation Between on and off Campus Built Environments and Students' Health	

Sun, Ke: Current Internal Research Support

Year	Title of Current Research or Grant	Granting Agency	Amount \$	Chief Investigators & Faculty Members in order	Percent Contribution
	Ryla T. & John F. Lott Endowment for Excellence in the Visual Arts		\$5,000	Sun, K., Chua, K.	