

MONA GHANDI

Assistant Teaching Professor
Director of Morphogenesis Lab

Architecture Department
College of Built Environments
University of Washington
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Website: <https://www.morphogenesislab.com/>
Videos: [Mona Ghandi - YouTube](#)

PART 1 – BACKGROUND

EDUCATION

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| 2012 | Master of Architecture
University of California, Berkeley
Computational and Data-Driven Architecture & Urban Design, Coding & Programming in Design
May 2012 |
| 2010 | Master of Science in Architecture
University of Tehran and Esfahan University of Art
Architecture
March 2010 |
| 2006 | Bachelor of Architecture
University of Tehran
Architecture
November 2006 |

ACADEMIC APPOINTMENTS

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|----------------------|---|
| 2023- Present | Assistant Teaching Professor
University of Washington
Architecture Department, College of Built Environments, Seattle, WA |
| 2016-2023 | Associate Professor (Tenured)
Washington State University
School of Design + Construction, Pullman, WA |
| 2017-2023 | Director of Morphogenesis Lab
Washington State University
School of Design + Construction, Pullman, WA
First Interdisciplinary lab in the School of Design + Construction |
| 2015 | Associate Researcher, Summer Appointment
Ohio University
College of Fine Arts, Athens, OH |
| 2014-2015 | Visiting Assistant Professor
Ohio University
School of Art + Design, Athens, OH |
| 2014-2015 | Co-Director of Creative Technology Center
Ohio University
College of Fine Arts, Athens, OH |
| 2014 | Visiting Lecturer
San Jose State University
Department of Design, San Jose, CA |
| 2013 | Lecturer
University of California, Berkeley
School of Architecture, Berkeley, CA |

PROFESSIONAL PRACTICE

- 2021-present **MONARCH LAB (Architecture and Urban Design)**
Founding Member and Partner
- 2021-Present **ARTSCAPE (Object and Jewelry design)**
Founding Member and Partner
- 2014 **Emerging Objects**
Researcher, Production Assistant, Oakland, CA.
- 2013 **MEM Architecture**
Architectural Designer, San Francisco, CA.
- 2004-2011 **VAV Studio (Tadj-Farzin Studio)**
Senior Designer, Project Manager, Researcher, Tehran, Iran.
- 2003 **Rahro Architects,**
Designer, Researcher, Tehran, Iran.

RESIDENCIES

- 2019 **Embraer Aerospace Company Residency, Lead PI**
- 2018 **Institute for Advanced Architecture of Catalonia, Barcelona, Spain
(IAAC) Residency, Lead PI**
- 2017 **Autodesk BUILDSpace Residency, Boston, MA, Lead PI**
Autodesk Technology Center.
- 2014 **Autodesk Residency, San Francisco, CA, collaboration with
Emerging Objects,** Autodesk Pier 9 center.

PART 2 – RESEARCH, SCHOLARLY, AND CREATIVE ACTIVITY

SELECTED AWARDS AND HONORS

- 2023 **Design Educates Awards**
International award, Gold Prize in Responsive Design category.
Awarded for: Stomata: Optimizing Building Energy Retrofits Through Cyber-Physical Adaptive Spaces, Artificial Intelligence, And Occupants' Biosignals.
- 2023 **Design Educates Awards**
International award, Bronze Prize in Responsive Design category.
Awarded for: Parasymphony: A Space of Empathy and Active Compassion.
- 2022 **The World Architecture Award 41st Cycle**
International award, Winner of both the Jury Awards and Popular Choice Awards.
Awarded for: Optimizing Building Energy Retrofits Through Cyber-Physical Adaptive Spaces, Artificial Intelligence, And Occupants' Biosignals.
- 2022 **Design Educates Awards**
International award, Honorable Mention in the Responsive Design category.
Awarded for: Embodied empathy.
- 2022 **The World Architecture Award 40th Cycle**
International award, Winner, World Architecture Popular Choice Award.
Awarded for: A Space of Empathy and Active Compassion.
- 2021 **Architizer A+Award in Architecture + New Technology**
International award, Winner, Jury Finalist, Popular Choice Winner.
Awarded for: Architecture as an embodiment of human emotion.
- 2021 **2021 Golden Trezzini Awards for Architecture and Design**
International award, Special Mention in the Best Implemented Creative Space Design Category
Awarded for: Wisteria: Incarnation of Human Emotion and Cognition in Space Using Artificial

Intelligence.

- 2021** **The World Architecture Award 38th Cycle**
International award, Winner, Jury Award.
Awarded for: Incarnation of Human Emotion and Cognition in Space Using Artificial Intelligence.
- 2021** **2021 International Property Award, Americans Property Awards**
International award. Winner, Jury Award in the Public Service Architecture Category.
Awarded for: A Shelter for the Mind.
- 2019** **Interior Design Educators Council (IDEC) Annual Conference Top 10 Creative Scholarship Award**
International award. Awarded as Top 10 Creative Scholarship.
Awarded for: Emotive Intelligent Spaces.
- 2018** **Vilcek Prize for Creative Promise in Architecture**
National award, Winner of the 2018 Creative Promise in Architecture Award.
Awarded for: using data-driven biofeedback design to create empathetic responsive spaces.
- 2018** **Laka Competition 2018: Architecture that Reacts**
International Competition, Finalist and Honorable Mention.
Awarded for: An Architecture of Emotive Intelligence.
- 2015** **Ohio University Innovative Research Awards**
Regional Award, Winner of the Innovative and Distinguished Research Award.
Awarded for: Interactive additive construction methods and alternative sustainable materials in 3D printing and additive manufacturing.
- 2013** **Transiting cities, low carbon future**
International Competition, Finalist, Honorable Mention.
Awarded for: Networked Ecologies: Rethinking Remediation.

SELECTED PEER-REVIEWED PUBLICATIONS

BOOK & BOOK CHAPTERS	2022	Ghandi, M., Blaisdell, M., (2021), "Neurospace", in <i>Inter-active Design Towards a Responsive Environment</i> , Editors: Neil Leach and Behnaz Farahi. Publisher Birkhauser, December 2023
JOURNAL ARTICLES	2023	Chen, S., Cerruti, M., Ghandi, M., Tsao, L., & Sermeno, R. (2023) "Determine the impact of Emotive Intelligent Spaces on Children's Behavioural and Cognitive Outcomes" <i>Cogent Education</i> , 10:2, Publisher: Taylor & Francis DOI: 10.1080/2331186X.2023.2281850
	2021	Ghandi, M., Blaisdell, M., & Ismail, M.(2021). "Embodied empathy: Using affective computing to incarnate human emotion and cognition in architecture". <i>International Journal of Architectural Computing</i> , 2021;19(4):532-552. DOI: 10.1177/14780771211039507, Publisher SAGE Publications Inc.
	2017	Ghandi, M. (2017). "Landscape as a Networked Ecological System: The Role of Data and Emerging Technologies in Rethinking Site Remediation." <i>Journal of Digital Landscape Architecture (JoDLA)</i> , Vol. 2(2017), 174-190. Publisher VDE Verlag GmbH.
	2010	Ghandi, M. (2010). "Esthetics, Tectonic and Textural Architecture." <i>Soffeh Journal</i> , Vol.34: 36- 45. Publisher Shahid Beheshti University Press.
CONFERENCE PUBLICATIONS	2023	Jahadakbar, M., Henrique Araujo de Aguiar, C., Nikkhah Dehnavi, A., Ghandi, M., (2023). "Sounds of Play: Designing Augmented Toys for Children with Autism". In Association for Computing Machinery, PETRA '23: Proceedings of the 16th International Conference on PErvasive Technologies Related to Assistive Environments , July 2023. P. 338-346. DOI: 10.1145/3594806.3594859
	2022	Chen, S., Cerruti, M., Ghandi, M. Tsao, L. (2023). "Determine the Impact of an Environmental Color on Children's Behavioral and Cognitive Outcomes". In the American Psychological Association , August 2023, Washington DC.

- 2022 Cerruti, M., Chen, S., **Ghandi, M.** Tsao, L. (2022). "Determine the Impact of Emotive Intelligent Spaces on Children's Behavioral and Cognitive Outcome". In the **2023 Society for Research in Child Development Biennial Meeting**, Salt Lake City, Utah, Mar.2023.
- 2021 **Ghandi, M.**, Blaisdell, M., & Ismail, M. (2021). "Parasympathy: A Space of Empathy and Active Compassion". In proceeding of **Association for Computer-Aided Design in Architecture (ACADIA) 2021 conference: REALIGNMENTS, Toward Critical Computation**, November 2021.
- 2021 **Ghandi, M.**, Blaisdell, M., & Ismail, M. (2021). "Tangible Reverberations of Mind". In the **Academy of Neuroscience for Architecture Annual Conference (ANFA)**, September 2021.
- 2021 Kelnhofer, J., Blaisdell, M., & **Ghandi, M.** (2021). "LSTM vs Plot-based CNN for EEG Emotion Detection Tasks". In the **IEEE/ACM Conference on Connected Health Applications, Systems, and Engineering Technologies**. DC, December 2021.
- 2021 **Ghandi, M.** Blaisdell, M., & Ismail, M. (2021). "An Emotive Intelligent Space as a Method of Remedial Therapy and Tranquilizing." Accepted in the **39th Association for Education and Research in Computer Aided Architectural Design in Europe (eCAADe) Conference: Towards a new, configurable**, Novi Sad, Serbia, Sep.2021.
- 2020 **Ghandi, M.** (2020). "Reducing Energy Consumption by Cyber-Physical Adaptive Spaces and Occupants' Biosignals". In D. Holzer, W. Nakapan, A. Globa, I. Koh (eds.), **RE: Anthropocene, Design in the Age of Humans - Proceedings of the 25th International Conference of the Association for Computer-Aided Architectural Design Research in Asia conference (CAADRIA) Conference - Volume 2**, Chulalongkorn University, Bangkok, Thailand, 5-6 August 2020, pp. 121-130.
- 2020 **Ghandi, M.** (2020) "Inflatotecture: inflatable architecture as a sustainable means of improving community well-being and childcare" accepted in the paper proceeding of **S. ARCH 2020 conference**, Tokyo, Japan, April 2020.
- 2019 Sbai, S., Bagaveyev, S., **Ghandi, M.**, Blaisdell, M. (2019)." Applying Machine Learning for Emotion Detection Using Wearable Sensors in Real Life". Accepted at the **IEEE International Conference on Machine Learning and Applications**. Boca Raton, Florida. December 2019.
- 2019 **Ghandi, M.** (2019). "Cyber-Physical Emotive Spaces: Data, Human Cyborg, and Biofeedback Empathetic Interaction with Compassionate Spaces." In Sousa, JP, Xavier, JP, and Castro Henriques, G (eds.), **Architecture in the Age of the 4th Industrial Revolution - Proceedings of the 37th Association for Education and Research in Computer Aided Architectural Design in Europe (eCAADe) and 23rd SIGraDi Conference - Volume 2**, University of Porto, Porto, Portugal, 11-13 September 2019, pp. 655-664
- 2019 Rahmani, A., **Ghandi, M.** (2019), "Morphogenesis: Masonry, Social Justice, and Evolutionary Thinking." In Ji-Hyun Lee (Eds.) **"Hello, Culture!" [18th International Computer-Aided Architectural Design Conference, CAAD Futures 2019]**, Proceedings / ISBN 978-89-89453-05-5] Daejeon, Korea, pp. 389-398.
- 2019 **Ghandi, M.** (2019). "Parklet: A New Urban Platform for Emergent Forms of Communication to Better Facilitate Social Interaction." In Al-Hussein, M. (Ed.), **Modular and Offsite Construction (MOC) Conference**. Banff, Canada, May.2019, pp. 571-578.
- 2019 **Ghandi, M.** (2019). "Role of Emergent Technologies as Medium of Architectural Education and Social Services." In the **56th International Making Cities Livable (IMCL) Conference on A Healthy City for ALL** Portland, OR. June 2019.
- 2019 **Ghandi, M.** (2019). "Intelligent Adaptive Spaces and Their Role in Reducing Energy Consumption by Autonomously Responding to the Users' Comfort Needs." Accepted

- in the **108th Association of Collegiate Schools of Architecture Conference (ACSA) Annual.**, San Diego, CA, Mar. 2020.
- 2019** **Ghandi, M.** (2019). "Adaptive Spaces and Real-time Emotive Prediction Using Unobtrusive Wearable Devices for Personalized Healthcare." In the **2019 INFORMS National Conference**, Seattle, WA, Oct.2019.
- 2019** **Ghandi, M.** (2019). "Adaptive Architecture and the Internet of Things." In the **2019 INFORMS International Conference**, Cancun, Mexico, June.2019.
- 2019** **Ghandi, M.** (2019). "A Studio Experience of Integrating Adaptive Systems to Create Transformative Urban Public Spaces." In the proceedings of the **2019 Interior Design Educators Council (IDEC) Annual Meeting**, Charlotte, NC, Mar. 2019, pp.247-248.
- 2019** **Ghandi, M.** (2019). "Emotive Intelligent Spaces." In the **2019 Interior Design Educators Council (IDEC) Annual Meeting**, Charlotte, NC, Mar. 2019, pp.289-291.
- 2019** **Ghandi, M.** (2019). "Transformable Parklet: A Design-Build Project Exploring Relationships with Community, Social Connectivity, and Social Transformation." Accepted in the project proceeding of the **Building Technology Educators' Society (BTES) 2019 Integration and Innovation**, June 2019. University of Massachusetts Amherst, Boston.
- 2019** **Ghandi, M.,** Sbai, S., & Bagaveyev, S. (2019) "Emotive Intelligent Adaptive Spaces: Real-time Emotion Detection Using Unobtrusive Wearable Devices for Reconfigurable Smart Buildings." Accepted in the **2019 International Conference on Architecture, Construction, Environment and Hydraulics (ICACEH 2019)**, Fujian, China Dec. 2019.
- 2018** **Ghandi, M.** (2018). "Designing Affordable, portable, and flexible Shelter for the Homeless and the Refugees." In Kepczynska-Walczak, A, Bialkowski, S (eds.), **Computing for a better tomorrow - Proceedings of the 36th Association for Education and Research in Computer Aided Architectural Design in Europe Conference (eCAADe)**, Conference - Volume 1, Lodz University of Technology, Lodz, Poland, 19-21 September 2018, pp. 307-316.
- 2018** **Ghandi, M.** (2018). "Architectural Spaces as Living Organisms: Reflecting Inhabitants' Psychology and Behavior in the Space." In Ameri, A., Dagg, R. (Eds.), **106th Association of Collegiate Schools of Architecture Conference (ACSA): The Ethical Imperative**, Denver, CO, Mar. 2018. New York: ACSA Press, pp. 595-605.
- 2018** **Ghandi, M.** (2018). "Empathetic and Compassionate Spaces: Architecture, Internet of things, and interactive systems of control." In Fukuda, T., Huang, W., Janssen, P., Crolla, K., Alhadidi, S. (eds.) **Learning, Prototyping and Adapting-Proceeding of the 23rd International Conference of the Association for Computer-Aided Architectural Design Research in Asia conference (CAADRIA)**, Beijing, China, Mar.2018. CAADRIA Press, pp. 109-114.
- 2018** **Ghandi, M.** (2018). "Biofeedback Responsive Empathetic Spaces." In the paper proceedings of **the 5th International Conference on Architecture & Built Environment, Sustainable ARCHitecture (S.ARCH)**, Venice, Italy, May.2018. Erlangen: Get It Published Press, pp.779-789.
- 2018** **Ghandi, M.** (2018). "Shape your Shelter: Homeless Shelter of the future". In the proceedings of **Interior Design Educators Council Annual Conference (IDEC): Human-Centered Design**, Boston, MA, Mar. 2018, pp 478-479.
- 2017** Kalantari, S. **Ghandi, M.** (2017). "Data-responsive Architectural Design Processes." In Fioravanti, A, Cursi, S, Elahmar, S, Gargaro, S, Loffreda, G, Novembri, G, Trento, A (eds.), **ShoCK! - Sharing Computational Knowledge! - Proceedings of the 35th Association for Education and Research in Computer Aided Architectural Design in Europe Conference (eCAADe) Conference - Volume 2**, Sapienza University of Rome, Rome, Italy, 20-22 September 2017, pp. 503-512.

- 2017** **Ghandi, M.,** Kalantari, S. (2017). "Morphology of Adaptive Systems: Design Research in the Studio Context." In Rico-Gutierrez, L., Throne, M., (Eds.) the project proceedings of **105th Association of Collegiate Schools of Architecture Conference (ACSA): Brooklyn Says, "Move to Detroit"**, Detroit, Michigan, Mar. 2017. New York: ACSA Press, pp. 14-15.
- 2017** Kalantari, S., **Ghandi, M.** (2017). "Studio Experience of Integrating Adaptive Systems and Data in Interactive Interior Design." In the proceedings of the **Interior Design Educators Council Annual Conference (IDEC)**, Chicago, IL, Mar. 2017, pp 663-675.

INTELLECTUAL PROPERTY

Provisional Patent:

Technology Title: Improving Mental Health and Well-being Using an Interactive Therapeutic Booth and Real-time Monitoring Emotions

Technology ID: TECH-20/3370

SELECTED RESEARCH GRANTS AND FELLOWSHIPS

- 2023** **Ghandi, M.** (2023-2024). *Mood-vironment*, an interactive sensory public art installation in Bedford City in MA. Design, Art, Technology Massachusetts (DATMA), Awarded **\$35,000**.
- 2022** **Ghandi, M.** (2022-2024). *Emotive Intelligent Workspace in Slalom LLC Headquarters Exchange Building in Seattle*. Slalom LLC, **\$100,000**.
- 2021** **Ghandi, M.,** Cerruti, M., Tsao, L., Chen, S. (2021-2022). *Determining the Impact of Emotive Intelligent Spaces on Children with Special Needs Self-regulation and Cognitive Performance*. WSU ORSO Multi-disciplinary Grant Competition Award, Awarded **\$20,000**.
- 2020** Chen, S., **Ghandi, M.,** Cerruti, M., Tsao, L. . (2020). *The Impact of Emotive Intelligent Spaces through Real-Time Emotion Detection on Improving Children's Mental Health and Cognitive Performance*. Mountain West IDEa Clinical and Translational Research – Infrastructure Network (MW CTR-IN), Awarded **\$60,000**. This is a sub-agency of NIGMS, a branch of NIH.
- 2020** **Ghandi, M.** (2020-2021). *Improving Mental Health and Well-being Using an Interactive Therapeutic Booth and Real-time Monitoring Emotions*. WSU Commercialization Gap Fund (CGF), Awarded **\$33,555**.
- 2019** Anderson, A., Smith, R., Day, J., **Ghandi, M.,** Olsen, K., Pulay, A., Sanchez, M., Tafazzoli, M., Peschel, J. (2019-2024). *Trimble Technology Lab*. Trimble Inc., **\$21,756,734.00**. (in-kind software/hardware).
- 2019** **Ghandi, M.** (2019-2020). *Compassionate Deployable Spaces Using Biosignals of Occupants for Disaster and Stress Relief*. WSU ORSO New Faculty SEED Grant, Awarded **\$24,720**.
- 2019** Drake, D., **Ghandi, M.,** Anderson, A., Pulay, A. (2019-2020). *SDC Fab Lab Equipment Expansion for Digital Fabrication*. WSU Students Technology Fund, Awarded **\$150,000**.
- 2018** Ghasemzadeh, H., **Ghandi, M.,** Catena, R., Cleveland, M., Borah, P. (2018-2022). *REU Site: Multidisciplinary Undergraduate Research Training in Wearable Computing*. National Science Foundation (NSF), Award#:1852163, Awarded **\$259,000**.
- 2018** **Ghandi, M.,** Mehrizi, A. (2018-2019). *Occupant-Oriented Built Environments to Reduce Energy Consumption*. WSU Energy System Innovation Center (ESIC), Awarded **\$10,000**.
- 2018** **Ghandi, M.** (2018). *Using Data-driven Biofeedback Design to Create Empathetic Responsive Spaces*. Vilcek Foundation, Awarded **\$50,000**.
- 2018** **Ghandi, M.** (2018-2019). *Interior Spaces of VTOL Aircraft for Uber Elevate (Fast-forwarding to the future of on-demand, urban air transportation)*. Embraer Aerospace Company, Brazil. **Entire incurring research expenses.**
- 2017** **Ghandi, M.** (2017). *Neurologically Controlled Elastic Transformable Structures*. Institute for Advanced Architecture of Catalonia (IAAC) + Autodesk BUILDers, Awarded **\$10,000**.
- 2015** **Ghandi, M.** (2015). *Role of Digital Fabrication in Increasing Design Innovation*. Ohio University Emerging Technology Fund, Awarded **\$10,000**.

2014 **Ghandi, M.** (2014-2015). *Interactive Additive Manufacturing Methods and Alternative Sustainable Materials in 3D-printing*. Ohio University Innovation Center Fund, Awarded **\$5,000**.

SELECTED PEER-REVIEWED EXHIBITIONS

- 2024 **Design, Art, Technology Massachusetts (DATMA)**
Project: *Mood-vironment*, an interactive sensory public art installation
Finalist and to be built
- 2023 **Design Educates Awards Exhibition, Melle, Germany**
Projects: “Stomata, Optimizing Building Energy Retrofits Through Cyber-Physical Adaptive Spaces, Artificial Intelligence, And Occupants’ Biosignals “ and “Parasympathy: A Space of Empathy and Active Compassion.”
- 2022 **Design, Art, Technology Massachusetts (DATMA), Shelter Exhibition, MA**
Project: Start Lounge, a 3D-printed shelter.
In collaboration with Ron Real and Virginia San Fratello
- 2022 **Johan Verbeke International Exhibition, eCAADe 2022, Ghent, Belgium**
Project: Echoing the Unvoiced, an interactive installation using AI and adaptive architecture.
- 2022 **Design Educates Awards Exhibition, Melle, Germany**
Project: Embodied Empathy: Incarnation of Human Emotion and Cognition in Space Using Artificial Intelligence and Affective Computing.
- 2020 **Lewis-Clark State College Center for Arts & History, Lewiston, ID, All Women Exhibition**
Project: The States of Flux, Two interactive art installations.
- 2020 **Lewis-Clark State College Center for Arts & History, Lewiston, ID**
Project: Wisteria, Shelter of the Mind, an interactive art installation.
- 2016 **Bellevue Arts Museum, Bellevue, WA, “Atoms and Bytes”: Redefining Craft in the Digital Age Exhibition**
Project: Star Lounge, a 3D-printed shelter.
In collaboration with Ron Real and Virginia San Fratello
- 2014 **Trisolini Gallery, Athens, OH, “Place and Process” Exhibition**
Project: The Role of Data and Emerging Technologies in Rethinking Site Remediation in the Bay Area.
- 2013 **Latrobe Regional Gallery, Victoria, Australia, “Transiting Cities” Exhibition**
Project: Networked Ecologies: Rethinking Remediation.
In collaboration with Carlos Sandoval and Hasan Sazmand.
- 2013 **RMIT Design Hub, Victoria, Australia, “Transiting Cities” Exhibition**
Project: Networked Ecologies: Rethinking Remediation.
In collaboration with Carlos Sandoval and Hasan Sazmand.
- 2013 **Melbourne Design, Melbourne, Australia, “Transiting Cities” Exhibition**
Project: Networked Ecologies: Rethinking Remediation.
In collaboration with Carlos Sandoval and Hasan Sazmand.
- 2012 **Boston Society of Architects (BSA) Exhibition, Boston, MA**
Project: Pars no Tarkib R&D Building.
In collaboration with NADAAA and VAV Studio
- 2012 **Venice Biennale of Architecture 2012, Exhibition, Venice, Italy**
Project: Fortresses, Bridges, Island.
In collaboration with Sofia Avramopoulou.

SELECTED NON PEER-REVIEWED EXHIBITIONS

- 2016 **UC Berkeley Campus, Berkeley, CA**
Project: Star Lounge, a 3D-printed shelter
In collaboration with Ron Real and Virginia San Fratello.

- 2016 Uptown NY, Public Urban Installation, NY**
Project: Star Lounge, a 3D-printed shelter.
In collaboration with Ron Real and Virginia San Fratello.
- 2016 Carpenter Hall Gallery, Pullman, WA**
Hand Sketching and the Engagement of Place Exhibition
Project: "Hand drawings and digital sketches"
- 2016 Bold Machines Gallery, NY**
Project: Star Lounge, a 3D-printed shelter.
In collaboration with Ron Real and Virginia San Fratello.

SELECTED PEER-REVIEWED TALKS AND PRESENTATIONS

- 2021 Academy of Neuroscience for Architecture Annual Conference (ANFA).** San Diego, CA, USA. Moderator: Michael Arbib. Title: Tangible Reverberations of Mind: Architecture, Artificial Intelligence, and Neuroscience.
- 2021 InclusiveFUTUREs | DigitalFUTUREs World Eastern North America.** Moderator: Virginia Melnyk. Title: Kinectoscapes: Architecture of Performative Intelligence.
- 2021 DigitalFUTUREs Young: Interactive Design.** Moderator: Philip Beesley. Online. Title: Parasympathy: A Cyber-Physical Adaptive Space.
- 2020 The 25th International Conference of the Association for Computer-Aided Architectural Design Research in Asia conference (CAADRIA),** Bangkok, Thailand. Title: Reducing Energy Consumption by Cyber-Physical Adaptive Spaces and Occupants' Biosignals
- 2019 The 37th Association for Education and Research in Computer-Aided Architectural Design in Europe (eCAADe) + SDRADI Conference,** Porto, Portugal. Title: Cyber-Physical Emotive Spaces: Data, Human Cyborg, and Biofeedback Empathetic Interaction with Compassionate Spaces.
- 2019 The Computer-Aided Architectural Design (CAAD) Futures 2019, "Hello, Culture,"** Daejeon, Korea. Title: Morphogenesis: Masonry, Social Justice, and Evolutionary Thinking. In collaboration with Ayad Rahmani.
- 2019 The 2019 Interior Design Educators Council (IDEC) Annual Meeting,** Charlotte, NC, USA. Title: A Studio Experience of Integrating Adaptive Systems to Create Transformative Urban Public Spaces.
- 2019 The Modular and Offsite Construction (MOC) Conference.** Banff, Canada. Title: Parklet: A New Urban Platform for Emergent Forms of Communication to Better Facilitate Social Interaction.
- 2019 The 2019 Interior Design Educators Council (IDEC) Annual Meeting,** Charlotte, NC, USA. Title: Emotive Intelligent Spaces."
- 2019 The 56th International Making Cities Livable (IMCL) Conference on A Healthy City for ALL.** Portland, OR, USA. Title: Reconfigurable Shelter for Homeless and Refugees: Role of Emergent Technologies as Medium of Architectural Education and Social Services.
- 2019 The 2019 INFORMS National Conference,** Seattle, WA, USA. Title: Adaptive Spaces and Real-time Emotive Prediction Using Unobtrusive Wearable Devices for Personalized Healthcare.
- 2019 The University of Tehran International Seminar Series.** Tehran, Iran. Moderator: Nima Dehghani. Title: Data, Human Cyborg, and Biofeedback empathetic interaction with compassionate spaces.
- 2018 The 106th Association of Collegiate Schools of Architecture Conference (ACSA),** Denver, CO, USA. Title: Architectural Spaces as Living Organisms: Reflecting Inhabitants' Psychology and Behavior in the Space.
- 2017 The 35th Association for Education and Research in Computer-Aided Architectural Design in Europe Conference (eCAADe).** Rome, Italy. Title: Data-responsive Architectural Design Processes. In collaboration with Saleh Kalantari.
- 2017 The 105th Association of Collegiate Schools of Architecture Conference (ACSA),** Detroit, Michigan, USA. Title: Morphology of Adaptive Systems: Design Research in the Studio Context.

SELECTED INVITED TALKS AND PRESENTATIONS

- 2023** **5th Edition of Advanced Materials Science World Congress**, Barcelona, Spain.
Title: Material Computing in Architecture.
- 2023** **Tehran University, Technology in Design Seminar**, Tehran, Iran.
Title: "Cyborgism, Anthropomorphism, and Architecture in the Age of AI"
- 2022** **Compu-Lyzer Architects Association and Tarbiat Modares University**
Title: Embodied Intelligence: A Dialogue Between Human Cyborg and Cyber-Physical Spaces.
- 2022** **International Institute for Strategic Studies in Architecture**
Title: NeuroSpaces.
- 2021** **DigitalFutures Farsi "Architecture, Space, Novel Technologies"**
Title: Human Cyborg and Architecture in the Age of Cybernetics.
- 2021** **Iranian Architecture Center**
Title: Adaptive Interactive Pedagogy.
- 2021** **University of Kentucky, School of Art and Visual Studies**
Title: Expanded field of Design: HCI and interactive Design.
- 2020** **Lewis-Clark State College Center for Arts & History, All Women Conference**
Title: Equity, Inclusion, and Empowering Women Designers with Emerging Technologies.
- 2020** **University of Tehran**
Title: Effective Pedagogical Approach in Computational Design and Digital Fabrication.
- 2020** **Lewis-Clark State College, Introduction to Art lecture series**
Title: "Smart Architecture"
- 2019** **AIA Spokane Student Awards 2019**
Title: "Pedagogical approaches in emerging technologies in architecture"
- 2018** **Iran Science and Technology Museum, Iranian TED Talk Series**
Title: An architecture of embodied intelligence: Dialogue Between Coded Design Thinking, Adaptive Morphogenic Architecture.
- 2018** **AIA Spokane Design Awards 2018**
Title: "Role of Architecture in Increasing Social Interaction and Supporting Local Businesses"
- 2018** **University of Mazandaran (UMZ)**
Title: Data, Codes, and Morphology of Adaptive Thinking.
- 2017** **AIA Spokane Student Award**
Title: "Role of Emerging technologies to help homeless and refugees.
- 2016** **Symposium on Place, WSU School of Fine Arts**
Title: "Place and Emerging Technologies"

SELECTED PEER-REVIEW AND INVITED WORKSHOPS

- 2021** **Ghandi, M., Mansoori, M., Blaisdell, M. (2021). "Kinectoscapes: Architecture of Performative Intelligence," InclusiveFUTUREs | DigitalFUTUREs World, Six-day workshop.** Online. The purpose of this free workshop series was to provide free higher education to anyone all around the world.
- 2021** **Ghandi, M. (2021). "Pedagogical Approaches in Emerging Technologies and Architecture,"** Academy of Professors, Iranian Architecture Center, Online. Workshop for architecture educators and faculty.
- 2020** **Ghandi, M. (2020). "Programming in Design,"** College of Fine Arts, Tehran University, Online.
- 2020** **Ghandi, M. (2020). "Adaptive Objects,"** All Women Conference, Lewis-Clark State College Center for Arts & History, ID.
- 2019** **Ghandi, M. (2019). "Interactive Design,"** College of Fine Arts, Tehran University.
- 2019** **Ghandi, M. (2019). "Kids and architecture,"** Lewis-Clark State College Center for Arts & History. To introduce architecture to kids and encourage interdisciplinary pollination of STEAM fields for kids.

ORGANIZED WORKSHOPS AND LECTURES

- 2017 Sandoval, c. (2017). "Flows, Bits, Relationships" Lecture on data-driven design processes. SDC, WSU.
- 2016 Sandoval, c. (2016). "Computational Methods in Adaptive Design" workshop. SDC, WSU.

SELECTED RESEARCH BIBLIOGRAPHY

- BOOKS, PRINT MAGAZINES AND NEWS**
- 2022 *Design Educate Book*, (September 2022). volume 04, Publisher: Solarlux, Embodied empathy: Incarnation of Human Emotion and Cognition in Space Using Artificial Intelligence and Affective Computing.
- 2022 *Architizer, The World's Best Architecture Book*, (January 11, 2022.) Publisher: The Monacelli Press, ISBN-13: 978-1580935913, Wisteria: Architecture as an Embodiment of Human Emotion.
- 2021 *Architectural Record Magazine*, (December 1, 2021). Publisher: Architectural Digest, ASIN: B09P1LDJXZ, Project: Wisteria, published in the Continuing Education: Artificial Intelligence Get Smart section.
- 2018 *The New York Times*, (Feb 1, 2018). Vilcek Prize.
- 2018 *1889 Washington Magazine*, (April 5, 2018). Publisher: Stalehood, Washington Architecture.
- 2018 *Architectural Record*, (August 1, 2018). Come From Away. McGuigan, C., Publisher: McGraw-Hill Companies. Vilcek Award.
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- E-MAGAZINES, NEWS, MEDIA**
- 2022 [Design Educates Awards](#), (April 2022). Embodied empathy: Incarnation of Human Emotion and Cognition in Space Using Artificial Intelligence and Affective Computing. Retrieved May 09, 2022.
- 2022 [ADF WebMagazine](#), (October 2022). "Wisteria" the Emotive Intelligent Architecture by Morphogenesis Lab. Retrieved December 15, 2022.
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- 2021 [India Art N Design](#), (March 2021). Emotive Intelligent Architecture as an embodiment of Human Emotion and Cognition. Retrieved May 09, 2022.
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- 2021 [Archlife](#), (August 2021). Wisteria: Architecture as an Embodiment of Human Emotion. Retrieved May 09, 2022.
- 2021 [MemarNews](#), (July 10, 2021). Winners of Architizer A + Awards 2020.
- 2019 [The University of Tehran](#), (December 28, 2019) Mona Ghandi's Talk at the Department of Fine Arts.
- 2018 [IranArt](#), (February 08, 2018). What do Iranian Artists do in the world?
- 2018 [UC Berkeley, College of Environmental Design News](#), (February 05, 2018). CED architects James Leng and Mona Ghandi were awarded the Vilcek Prize for Creative Promise. Retrieved February 19, 2018.

- 2018 [Association of Collegiate Schools of Architecture \(ACSA\) News](#), (February 5, 2019). Viecek Foundation to honor ACSA member, Mona Ghandi. Retrieved February 19, 2018.
- 2018 [Vilcek Prize Recipients 2018](#), Prize Recipients. (February 01, 2018). The Vilcek Foundation.
- 2018 [Vilcek News](#), (February 2018). 2018 Vilcek Prize for Creative Promise in Architecture.
- 2018 [Archinect News](#), (February 12, 2018). Immigrant Architects Honored with 2018 Vilcek Prizes. Retrieved February 19, 2018.
- 2018 [Architect Magazine](#), Keane, K. (n.d.) (February 05, 2018). The Vilcek Foundation Honors Immigrant Architects with 2018 Vilcek Prizes. Retrieved February 19, 2018.
- 2018 [Bustler](#), Testado, J. (n.d.) (February 05, 2018). Teddy Cruz won the 2018 Vilcek Prize; three Creative Promise Prizes were also awarded. Retrieved February 19, 2018.
- 2018 [AIA Spokane](#): Mona Ghandi, AIA Spokane Member and WSU assistant professor of Architecture, is the recipient of the 2018 Vilcek Prize. (n.d.). Retrieved February 19, 2018.
- 2018 [Worldarchitecture](#), (February 05, 2018). Architect and urban researcher Teddy Cruz was named among the winners for the 2018 Vilcek Prizes (n.d.). Retrieved February 19, 2018.
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- 2018 [PRISM](#), Editorial. (February 05, 2018). Immigrant Architects Honored with 2018 Vilcek Prizes. Retrieved February 19, 2018.
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- 2015 [Inhabitat](#), Wang, L. (June 01, 2015). Beautiful Star Lounge is one of the world's biggest 3D-printed PLA structures. Retrieved May 31, 2017.
- 2015 [3D Printing Industry](#), Sher, D. (June 01, 2015). Emerging Objects and Bold Machines Build Star Lounge Structure in PLA. Retrieved May 31, 2017.
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- 2013 [Bustler](#), Bustler Editors. (January 11, 2013). Transiting Cities - Finalist Entry "Networked Ecologies: Rethinking Remediation." Retrieved May 31, 2017.

INTERVIEWS

- 2021 **Architectural Record**, (December 2021). Pearson, C. A. Continuing Education: Artificial Intelligence.
- 2020 **WSU Division of Academic Engagement and Student Achievement (DAESA)**, (July 2020). Stahl, B. NSF REU program.
- 2020 **Center for Environmental Research, Education, & Outreach for my research (CREDO)**, (February 2020). Get to Know.
- 2019 **Ask Dr. Universe**, WSU's science Q&A for kids, (April 2019). It Takes Imagination and Planning to Build a Home.
- 2019 **WSU Academic Outreach Innovations (AOI) WSU Faculty and Student Technology**, (June 2019). Emerging Technology in Student Learning.
- 2018 **1889 Washington Magazine**, (April 2018). Miller, S. G. Washington Architecture.

- 2018** **The Vilcek Foundation**, Mona Ghandi: Between Dreams and Reality. (February 28, 2018). Vilcek Foundation.
- 2018** **Crosscut**, Enlow, C. (February 2018). Architecture, Urban Design, and the Arts.
- 2018** **VCEA News**, (February 2018). Gomez, E., Compassionate Spaces.
- 2017** **Murrow News 8**, (December 2017). Concepcion, I., SDC Masonry Exhibition at Washington State University.
- 2017** **Murrow News 8**, (November 2017). Concepcion, I., Homeless Shelter.

PART 3 – TEACHING

TEACHING EXPERIENCE

I have more than 10 years of teaching experience in different schools such as UC Berkeley, Ohio University, San Jose State University, and Washington State University. I have developed an interdisciplinary teaching agenda based on constructive balance and creative synthesis between concerns for the environment, social justice, and technology.

COURSES TAUGHT

UW

Course name Credit Discipline	My Teaching Focus	Semester
ARCH 500: Architectural Foundation Studio I (6 cr Studio), Architecture	Design Foundation, diversity of methods, scales, and program types, basic design and representation skills with the exploration of broad themes of space, dwelling, site, and place.	FA 2023 Graduate Level

WSU

Course name Credit Discipline	My Teaching Focus	Semester
ARCH 513: Graduate Design Studio II (6 cr Studio), Architecture, Robotics	Adaptive systems, Sensory environment, Robotics Computational thinking, Digital simulation, building systems, Building tectonics, Environmental simulation, Structural analysis, Coding, and Programming	SP 2016 SP 2021 Graduate Level
ARCH 511: Graduate Design Studio IV	Adaptive systems, Sensory environment, Building performance modeling, Computational thinking, Digital simulation, building systems, Building tectonics, Environmental simulation, Structural analysis, Coding, and Programming	FA 2022 Graduate Level
ARCH 571: Advanced Architectural Design Studio II (6 cr Studio), Architecture	Social Outreach, Design-build, Computational design, Digital fabrication, Adaptive architecture, Structural simulation, Building set permit, Inflatable Architecture	SP 2018 SP 2019 Graduate Level
ARCH 570: Advanced Architectural Design Studio (6 cr Studio), Architecture	Computational thinking, Digital Simulation, Building systems, Building tectonics, Adaptive architecture, Environmental simulation, Structural analysis	FA 2021 Graduate Level
ARCH 531: Advanced Tectonics (3 cr Lecture), Architecture	Building Tectonics, Adaptive systems, Coding and programming, Internet of Things, Sensory environment, Physical computing, Robotics.	SP 2019 Graduate Level
I D 525: Interior Design Graduate Studio I (5 cr Studio), Interior Design	Computational thinking, Digital simulation, Building systems, Building tectonics, Adaptive systems, Environmental simulation, Well-being in design	FA 2021 Graduate Level
I_D 460: Portfolio and Representation (3 cr Lecture), Interior Design, Architecture, Landscape Architecture	Digital representation, Professional portfolio, Resume, Cover letter	SP 2017 SP 2018 SP 2019 SP 2020 FA 2022 Undergraduate
ARCH 303: Architectural Design IV (5 cr Studio), Architecture	Social Outreach, Digital Design, Digital fabrication, Adaptive architecture, Design-build, Computational	SP 2017

	design, Structural analysis, Codes and zoning, Inflatable architecture, Affordable Housing, Shelter, and public space design.	SP 2018 SP 2019 SP 2020 Undergraduate
ARCH 301: Architectural Design III (5 cr Studio), Architecture	Computational design approaches in Masonry, Parametric design, Digital fabrication, Design-build, Adaptive architecture, Structural analysis and simulation, Codes, and zoning.	FA 2017 FA 2018 FA 2020 Undergraduate
ARCH 210 & LND_ARCH 102: Digital Analysis and Representation (3 cr Lecture and Lab), Architecture, Landscape Architecture	Computational design, Digital representation, Digital fabrication, Computational thinking	FA 2016 FA 2017 FA 2018 Undergraduate
ARCH 201: Architectural Design I (5 cr Studio), Architecture	Design thinking, design process, environmental consideration, Technical and sketch drawings, Digital representation, and structural understanding.	FA 2020 FA 2021 Undergraduate

ACADEMIC ADVISING, MENTORING, AND DIRECT STUDENT LEARNING

Since 2016 I have mentored, advised, and supervised many students in different disciplines listed below.

ADVISING TYPE	NUMBER OF STUDENTS	DISCIPLINE
Independent Study	22 students	Architecture, Interior Design
Architecture Practicum	7 Students	Architecture
Morphogenesis Lab Research Assistant	32 students	Architecture, Interior Design, Computer Science, Material Science
National Science Foundation Research Experiences for Undergraduates (NSF REU)	9 students	Computer Science, Mathematics
Computer Science Senior Design	27 students	Computer Science
Graduate Committee Service in WSU	37 graduate students in SDC	Architecture
Thesis and Graduate Committee Service outside WSU *SDC doesn't have a Ph.D. program or a thesis-based master's degree.	4 Students in other universities (2 master theses, 2 Ph.D. theses)	Architecture

SELECTED STUDENT SUCCESS

ACHIEVEMENTS, AWARDS, AND SCHOLARSHIPS

- 2022** **AIA ACSA 2022 COTE Top Ten for Students Competition National Award, Winner**, Ashley Beard, my graduate architecture student. Project: "Relook Overlook | Living Water Recycling Architecture". Awarded: \$1000 + National Recognition during the 2022 AIA National Convention at the COTE reception.
- Every year, *The American Institute of Architects, Committee on the Environment* (AIA COTE) in partnership with the *Association of Collegiate Schools of Architecture* (ACSA), recognizes ten exceptional student design projects that integrate creative and innovative design strategies in health, sustainability, and equity.
- 2022** **2022 Emeritus Undergraduate Research Award, Engineering and Applied Science, Washington State University Regional Award, Winner**, Jared Kelnhofer, my NSF REU undergraduate student. Project: LSTM vs Plot-based CNN for EEG Emotion Detection Tasks. Awarded: \$500.
- 2021** **AIA Southwest Washington Scholarship Regional Scholarship, Winner**, Ashley Beard, my undergraduate architecture student. Awarded: \$3,000.
- 2020** **Seattle Building Enclosure Council (SEABEC) 2020 Scholarship**

- Regional Scholarship, Winner**, Ashley Beard, my undergraduate architecture student. Awarded: \$2,000.
- 2019** **WSU Fall 2019 EECS Senior Design Competition and Award**
Regional Award, Winner, First Place, My undergraduate Senior Design students in Computer Science. Project: Architecture of Emotive Intelligence.
- 2019** **AIA Spokane 2019 Student Awards, Spokane, WA**
Regional Award, winner, First Place, Luming Xiao, my graduate architecture student. Project: Inflatable Architecture for WSU Children’s Center.
- 2018** **WSU Fall 2018 EECS Senior Design Competition and Award**
Regional Award, Winner, Third Place, My undergraduate senior design students in computer science. Project: Architecture of Performative Intelligence.
- 2018** **2018 Wilsonart Student Portfolio Award, IIDA Northern Pacific Chapter**
Regional Award, Winner, Yeji Kan, my undergraduate interior design student.
- 2018** **AIA Spokane Student Design Award**
Regional Award. Winners, my third-year undergraduate architecture students won **four out of five (second, third, fourth, and honorable mention)** among four schools in the northwest regions. Awarded: \$500, \$250, \$100. Project: Parklet.
- 2017** **Northwest Concrete Masonry Association Award**
Regional Award, Winner, Two teams of undergraduate architecture students. Awarded: \$500. Co-taught with Ayad Rahmani. Project: Masonry design farmers’ market.
- 2017** **AIA Spokane Student Design Competition**
Regional Award, Winners, my third-year undergraduate architecture students won **Three** awards (first, second, and third) in the Homeless category of AIA Student Design Competition. Awarded: \$500, \$250, \$100. Project: Homeless Shelter.
- 2015** **College of Fine Arts Thesis Competition, Ohio University**
Regional Award, Winner, Three of my senior interior architecture students. Awarded: “Best Innovative Design Award”, “Best Presentation Award”, and “Best Design Award”. Projects: Thesis projects under my supervision.
- 2015** **Cardboard City Competition by Habitat for Humanity of Southeast Ohio**
Regional Competition, Winner, Two teams of students, my interior architecture students. Awarded: “Innovative Design Award” and “Sustainable Design Award”. Project: Cardboard shelter for the Homeless.
- 2014** **Ohio University Creative Research Competition**
Regional Competition, Winner, One of my interior architecture senior students. Awarded: “Dean’s Undergraduate Creative Research Award”. Project: The Interior Architectural Design of a Sustainable Community Center and Bicycle Hub.
- 2014** **Undergraduate Juried Exhibition, Ohio University**
Regional Award, Winner, **Two** of my Sophomore interior architecture students. Awarded: \$500 each. Projects: custom design sustainable wallpaper, abstract textile composition. Juror: Rebecca Ibel of the Pizzuti Collection in Columbus, Ohio.
- 2014** **Northern California International Interior Design Association (IIDA)**
Regional Award, Winner, our undergraduate students **won three out of four awards**. Projects: Sustainable Interior Design of a Farm to the Table restaurant. Co-taught with Virginia San Fratello at San Jose State University.

PUBLICATIONS

With my students, we published 1 book chapter, 4 peer-reviewed journal publications (published, in revision, under review), 3 published peer-reviewed conference papers, and 5 peer-reviewed conference abstracts and projects. For more details, please see PART 2 – RESEARCH, SCHOLARLY, AND CREATIVE ACTIVITY | PUBLICATIONS section.

WORKSHOP	2021	Marcus Blaisdell (My RA and Senior Design student in 2019) and Shanle Lin (My RA and Graduate student) were involved in my international InclusiveFUTUREs DigitalFUTUREs World Workshop “Kinectoscapes: Architecture of Performative Intelligence.
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EXHIBITION AND INSTALLATION	2021	InclusiveFUTUREs DigitalFUTUREs World Workshop, Beijing, China International Exhibition. Projects: Workshop participants’ projects exhibition, 5 team projects about Architecture of Performative Intelligence.
	2020	Lewis-Clark State College Center for Arts & History, Lewiston, ID National Exhibition. Projects: 5 students’ Interactive physical models and projects in my ARCH 531 Advanced Tectonic.
	2020	WSU Children Center Playground, Pullman, WA “Inflatotecture” Installation. Project: Inflatable Installation for WSU Children’s Center. My third-year students.
	2019	AIA Spokane 2019 Student Awards, Spokane, WA “Inflatotecture” Exhibition. Project: Inflatable Architecture for WSU Children’s Center. My third-year students
	2019	Fine Arts Gallery, WSU Pullman, WA “Morphogenesis; Emerging Technologies in Masonry Design” Exhibition. Projects: 8 Full-scale masonry wall installations using computational design, computational analysis, and digital fabrication. My Third-year students.
	2018	SDC Gallery, Pullman, WA “Screen Walls” Exhibition. Project: 16 screen walls by parametric design and digital fabrication. My Third-year students.
	2018	Maddison Street, Spokane, WA “Rame Parklet” Installation. Project: A full-scale transformable digitally designed and fabricated parklet. My Third-year students.
	2018	AIA Spokane 2018 Design Awards, Spokane, WA “Rame Parklet” Exhibition. Project: 7 Parklet designs. My Third-year students.
	2018	AIA Spokane Students Award Show, Spokane, WA “Shape your Shelter,” Exhibition. Project: Reconfigurable portable, and affordable Homeless Shelter. My Third-year students.
	2017	SDC Gallery, Pullman, WA “Morphogenesis: An Exploration in Masonry Design” Exhibition. Projects: 9 Full-scale masonry wall installations. Co-taught: Ayad Rahmani. Our third-year students.
	2017	Terrain BAZAAR Arts & crafts Spokane, WA “Shape your Shelter”, Exhibition. Project: Reconfigurable Homeless Shelter. My third-year students.
	2017	River Park Square Mall, Spokane, WA “Shape your Shelter”, Exhibition. Project: Reconfigurable Homeless Shelter. My Third-year students.
	2017	SDC Gallery, Pullman, WA “Shape your Shelter,” Exhibition. Project: Reconfigurable Homeless Shelter. My Third-year students.

- 2017 **SDC Gallery, Pullman, WA**
“Morphology of Adaptive Systems” Exhibition. Project: [Adaptive built environment](#). Co-taught: Saleh Kalantari. My graduate architecture students ARCH 513, Robotic Club students, and Saleh’s senior interior design students.
- 2016 **Carpenter Hall, Pullman, WA**
“WSU Visitor Center,” Exhibition. Project: Augmented reality and Adaptive Architecture. Co-taught: Saleh Kalantari. My graduate architecture students ARCH 513, Robotic Club students, and Saleh’s senior interior design students.

STUDENTS NEWS AND MEDIA (SELECTED)

- 2022 [Bustler](#), Guimapang, T. (2022, April 25). Teams from seven architecture schools were announced as winners of the 2022 AIA/ACSA COTE Top Ten for Students.
- 2022 [Archinect](#), Guimapang, T. (2022, April 25). Teams from seven architecture schools were announced as winners of the 2022 AIA/ACSA COTE Top Ten for Students.
- 2022 [ACSA](#), 2022, April 22. COTE Top Ten for Students: Winners Announced.
- 2022 [VCEA Magazine](#), (August 2022). Unique design leads to national success and 2022 Design Educates Awards. WSU.
- 2019 [Inlander](#), Elliott, J. (2019, April). WSU architecture students’ inflatable playground rises to meet kids’ expectations.
- 2018 [Krem 2 News](#), Elfalan, K. (2018, March 28). Garland Sandwich Shoppe looks to join an outdoor seating trend.
- 2018 [Daily Journal of Commerce](#), (June 13, 2018). WSU students build a parklet in Spokane, Seattle DJC.com local business news and data – Architecture & Engineering. (n.d.)
- 2018 [Spokesman-Review](#), Deshais, N. (2018, April 20). WSU students design ‘parklet’ near Garland Sandwich Shoppe.
- 2018 [The Daily Evergreen](#), Nguyen, L. (n.d.). (April 17, 2018). Architecture students to build a parklet.
- 2017 [Murrow News 8](#), (November 09, 2017). Pullman Farmers Market, Retrieved February 19, 2018.
- 2017 [The Daily Evergreen](#), (November 11, 2017). Lester, M. Students compete in shelter design.
- 2017 [Spokesman-Review](#), Sokol, C. (2017, April 24). It’s a homeless shelter that folds like an accordion: These WSU students think it’s perfect for Spokane.
- 2017 [The Daily Evergreen](#), Johnson, K. (2017, April 26). Architecture students design portable homeless shelters.
- 2017 [Inlander](#), Wohlfeil, S. (2017, May 31). Is this the homeless shelter of the future?
- 2016 [The Daily Evergreen](#), (February 17, 2016). Interactive robotics come to life.

SCHOLARSHIP OF TEACHING

PUBLICATIONS

I have 11 scholarships of teaching papers and projects in peer-reviewed conferences. For more details, please see **PART 2 – RESEARCH, SCHOLARLY, AND CREATIVE ACTIVITY | PUBLICATIONS** section.

WORKSHOPS

INTERNATIONAL (PEER-REVIEWED)

- 2021 For the list of national, international, and regional workshops, please refer to the **PART 2 _ WORKSHOP section**.

INTERNAL WORKSHOPS

- 2019 **Ghandi, M.** (2019). **“Programming and Coding in Design,”** SDC, WSU. Two-day workshop. Pullman, WA.

2018	Ghandi, M. (2019). “Sensory Spaces,” SDC, WSU. Two-day workshop. Pullman, WA.
2017	Ghandi, M. (2017). “Digital Representation and Portfolio,” SDC, WSU. Three-day workshop. Pullman, WA.
2016	Ghandi, M. (2016). “Computational Design and Generative Design,” SDC, WSU. Two-day workshop. Pullman, WA.
2014-2015	Ghandi, M. (2014-2015). “Workshop series on digital design and fabrication,” School of Art + Design, Ohio University. Series of Three-day workshops. Athens, OH.

TEACHING FUNDS FOR DESIGN-BUILD SOCIAL OUTREACH PROJECTS

2019	Ghandi, M. (2019). <i>Inflatable Structures for WSU Children’s Center Playground.</i> WSU Children’s Center. \$5,000.
2018	Ghandi, M. (2018). <i>Rame Parklet: A Transformable Urban Space.</i> MMEC Architecture, ALSC Architects, Bernardo Wills Architects, NAC Architecture, Integrus Architects, Garland Sandwich Shopp, Inland NW Arch, Pullman Building Supplies, WSU Architecture. \$15,000.
2017	Ghandi, M. (2017). <i>Shape Your Shelter: Portable and flexible Homeless Shelter.</i> MMEC Architecture, ALSC Architects, Bernardo Wills Architects, NAC Architecture. \$1,500.
2017	Rahmani, A., Ghandi, M., (2017) <i>Masonry and Computational Thinking.</i> Northwest Concrete Masonry Association, \$2,500.

PART 4 – SERVICE

NATIONAL AND INTERNATIONAL SERVICES

JOURNAL PAPER REVIEWER

2024	<i>International Journal of Smart Technologies (IJST)</i> Editorial Board
2023	<i>Current Indian Science Journal</i>
2023	<i>Current Cancer Therapy Journal</i>
2020	<i>MDPI Journal Special Issue: Human's Psychological and Physiological Responses to Sound Environment</i>
2020	<i>The International Journal of Undergraduate Research & Creative Activities</i>
2019	<i>MDPI Information Journal</i>

CONFERENCE PAPER REVIEWER

2024	Track Symposium on Simulation for Architecture and Urban Design (SimAUD) at ANNSIM 2024. AMERICAN UNIVERSITY, WASHINGTON D.C., USA, on May 20 - 23, 2024.
2024	2024 ACSA112 Annual Meeting
2020-2024	Association for Computer-Aided Architectural Design Research in Asia conference (CAADRIA).
2020-2024	Association for Education and Research in Computer Aided Architectural Design in Europe Conference (eCAADe) Conference.
2023	2023 Annual Modeling and Simulation Conference (SimAUD 2023 at ANNSIM23), Hosted by the Society for Modeling and Simulation International (SCS), Mohawk College, Hamilton, Canada.
2023	11th Arab Society for Computation in Architecture, Art, and Design (ASCAAD 2023) International Conference.
2023	2023 ACSA/AIA Intersections Research Conference: Material Economies
2022	NCIT2022- International Conference on Networks, Communication, and Information Technology
2022	Committee of Computer-Aided Architectural Design Futures 2023 (CAAD Futures 2023)
2022	Track Simulation for Architecture and Urban Design (SimAUD) at ANNSIM 2022
2019	Modular and Off-site Construction (MOC) Conference

SCIENTIFIC COMMITTEE

2023	Committee of Computer-Aided Architectural Design Futures 2023 (CAAD Futures 2023)
2020-2023	Association for Education and Research in Computer-Aided Architectural Design in Europe

- Conference (eCAADe)
- 2007** Member of the Structure Committee of “The Second National Conference on Space Structure”, Tehran University, Tehran, Iran.
- 2005** Member of the Structure Committee of “The First National Conference on Structure and Architecture”, Tehran University, Tehran, Iran.

GRANT PROPOSAL REVIEWER

- 2021** National Science Foundation (NSF) grant panel Reviewer
- 2020** National Science Foundation (NSF) grant panel Reviewer
- 2019** National Science Foundation (NSF) grant panel Reviewer

SESSION CHAIR, MODERATOR, PANELIST

- 2023** Affective Computing and Intelligent Interaction (ACII) conference, Session chair
- 2022** Compu-Lyzer Architects Association Lecture Series, Keynote Speaker
- 2021** DigitalFutures Farsi, Panelist
- 2021** Academy of Neuroscience for Architecture Conference, Panelist
- 2021** InclusiveFUTUREs | DigitalFUTUREs World Eastern North America, Panelist
- 2021** DigitalFUTUREs Young: Interactive Design, Panelist
- 2019** Contemporary Architects Association of Iran, Panelist
- 2019** University of Tehran International Seminar Series, Moderator and Panelist
- 2019** INFORMS International Conference, Session Chair

INVITED JURY (PROFESSIONAL)

- 2023** World Architecture Award Jury, 42nd Cycle
- 2022** World Architecture Award Jury, 40th and 41st Cycle
- 2015** Cardboard City Competition Jury, Habitat for Humanity of Southeast Ohio, City of Athens
- 2015** International Research Symposium, Ohio University

INVITED JURY (ACADEMIC)

- 2023** University of Oregon Graduate review
- 2022** University of Washington, Graduate and Undergraduate Review
- 2021** University of Idaho, Undergraduate Review
- 2021** University of Washington, Graduate and Undergraduate Review
- 2020** UC Berkeley, Special Topics in the Building Process
- 2020** Swinburne University of Technology, Victoria, Australia, Graduate
- 2019** University of Washington, Undergraduate Review
- 2018** Institute for Advanced Architecture of Catalonia (IAAC) Global Summer School, Barcelona, Spain, Invited Jury for Spain, France, India, and Paris final reviews
- 2018** UC Berkeley Master Thesis Final review
- 2018** UC Berkeley Studio One Master Final Review
- 2018** UC Berkeley 2 Undergraduate Final Reviews
- 2018** UC Berkeley Special Topics in the Building Process Final Review
- 2014** UC Berkeley, Senior Design Final Review
- 2014** San Jose State University, ID Senior Design Final Review
- 2014** California College of the Arts (CCA), ID Senior and Architecture

INTERNAL (UNIVERSITY, COLLEGE, DEPARTMENT)

- | | | |
|------------------------|------------------|-------------------------------|
| GRANT REVIEWER | 2021-2022 | WSU SEED grant jury |
| COMMITTEE CHAIR | 2021-2023 | SDC Digital Committee, Chair |
| | 2022-2023 | Curriculum Coordinator, Chair |

	2022	SDC New Faculty Search Committee, Chair
COMMITTEE MEMBER	2022-2023	Architecture Student Scholarship Committee
	2021	SDC New Faculty Search Committee
	2021-2022	Architecture Curriculum Committee
	2019-2021	ARCH Graduate Program Student Advisory Committee
	2020	SDC Digital Curriculum Committee
	2020	SDC COVID-19 space planning committee
	2019-2020	SDC New Faculty Search Committee for two searches
	2018	SDC FACTEC (facilities and technology) committee
	2018	SDC BIM (Building Information Modeling) Committee
	2017-2018	Architecture Portfolio Review Committee
	2017	Architecture Portfolio Competition Committee
	2016-2017	Architecture Graduate Program Admission Committee
	2016	Digital Fabrication Committee
JURY	2023	WSU Showcase for Undergraduate Research and Creative Activities (SURCA) Jury
	2020	WSU Showcase for Undergraduate Research and Creative Activities (SURCA) Jury

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

2016-Now	Association for Computer-Aided Design in Architecture (ACADIA), Professional Member
2015-Now	Association of Collegiate Schools of Architecture (ACSA), Professional Member
2007-Now	Iranian Institute of Architecture Development Membership
	Member of architecture workshops held by the Development Research Center for Architecture and Civil Engineering
2007-Now	Iranian Institute of Architects (IIA), Member, Iran