

AMIR SHAKIBAMANESH, PH.D

Associate Professor of Urban Design, Department of Urban Planning and Design, School of Architecture and Urban Studies, University of Art, Tehran, Iran.

Birth Date: 29/03/1984



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art.ac.ir/en/page/1591/virtual-reality-and-emerging-technologies-lab-in-urban-design-and-architecture



scholar.google.com/citations?user=58ao6wIAAAJ&hl=en&oi=ao



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OVERVIEW

Dr. Amir Shakibamanesh is an Urban Designer with more than 12 years of professional experience. He currently works as an associate professor of urban design at the University of Art, Tehran, Iran. He is the author or coauthor of more than 26 scholarly articles and monographs, and author of 8 books and book chapters. He is also the **director of Virtual Reality and Emerging Technologies Lab (In Urban Design and Architecture)**. Dr. Shakibamanesh's research interests include smart cities, urban modeling and simulation, virtual & augmented reality, and urban scene analysis.



EDUCATION AND QUALIFICATIONS

PHD IN URBAN PLANNING AND DESIGN, SEPTEMBER (2009- 2013)

Iran University of Science and Technology, Tehran, Iran

Thesis Title: The Effects of Spatial Configuration and Physical Structure on Pedestrians' Subjective Experience of Time Perception Using Virtual Reality

C.G.P.A: 19:31 out of 20

M.SC IN URBAN PLANNING- URBAN DESIGN, SEPTEMBER (2006- 2008)

Iran University of Science and Technology, Tehran, Iran

Dissertation Title: Promoting City Centers Quality by Using Special Urban Design Guidelines

C.G.P.A: 18:29 out of 20

B.SC IN URBAN PLANNING, SEPTEMBER (2002- 2006)

University of Urmia, Urmia, Iran

Dissertation Title: Urban Districts in Iran; C.G.P.A: 17:42 out of 20

PUBLICATIONS

A: BOOKS (AUTHOR)

- **Shakibamanesh, A.**, Ghorbanian, (2023- Under Review). Urbanized Smartness: How architecture and urbanism contribute to smarter life, **Routledge Press**, London, United Kingdom.
- **Shakibamanesh, A.**, Zangane, M. (2023). Low Impact Urban Design and Development (LIUDD): An efficient approach to improve the ecological quality of urban spaces, Published by Tehran Urban Research and Planning Center (TURPC) , Tehran, Iran
- **Shakibamanesh, A.**, Ghorbanian, M., & Moghadam, S. N. M. (2019). Smart Growth and Sustainable Transport in Cities, **Routledge Press**, London, United Kingdom.
- **Shakibamanesh, A.**, Ghorbanian, M. (2014),"City Center; From Theory to Urban Design Guidelines" (in Persian), Tahan Press, Tehran, Iran.
- **Shakibamanesh, A.**, Khaksari, A and Ghorbanian, M. (2006),"Urban Districts in Iran (in Persian), Second Edition, Institute for Humanities and Cultural Studies Press, Tehran, Iran.
- **Shakibamanesh, A.**, Ghorbanian, M. (2006),"Planning Environmental Conditions; Principles of Urban Climatology" (in Persian), Fifth Edition, Tahan Press, Tehran, Iran.
- **Shakibamanesh, A.**, (2005),"Fundamentals and Principles of Color Design in Architecture and Urban Design" (in Persian), Fifth Edition, Helleh Press, Tehran, Iran.

B: PEER REVIEWED BOOK CHAPTERS

- Veisi, O., **Shakibamanesh, A.** (2023), "The Application of CIM and BIM to the simulation of Energy in Urban Superblocks; an Effort to Develop the Initial Digital Twins (Case Studies: Kermanshah, Iran), in "Urban Commons, Future Smart Cities and Sustainability" (pp. 733-760). Cham: Springer International Publishing.
- **Shakibamanesh, A.**, Veisi, O. (2022), "Designing sustainable Urban Blocks; An Effort to Optimizing 3d Form and Achieving the Maximum Amount of Solar Radiation", in book entitled Advances in Urbanism, Smart Cities, and Sustainability, published by Taylor & Francis Group/CRC Press
- **Shakibamanesh, A.**, Ebrahimi, B. (2021), "Toward Practical Criteria for Analyzing and Designing Urban Blocks". In "Sustainability in Urban Planning and Design" by Amjad Almusaed. Intechopen Press.
- **Shakibamanesh, A.**, Ghorbanian, M. (2016), "Using Advanced Approaches in Urban Design Researches: A Mutation from 3D Digital Models to Virtual Reality". In Mobile Computing and Wireless Networks: Concepts, Methodologies, Tools, and Applications (pp. 2281-2308). IGI Global, Pennsylvania, United States
- **Shakibamanesh, A.**, Ghorbanian, M. (2015), "Improving City Resistance: Planning Major Transportation Terminals". In "Cities and Disasters" by Downey, D. C. (pp. 111-132). **Routledge Press**, London, United Kingdom

C: BOOK (TRANSLATION FROM ENGLISH INTO PERSIAN)

- NACTO., I. (2013). "Urban Street Design Guide". Island Press/Center for Resource Economics. Translated by: **Shakibamanesh, A.**, Ghorbanian, M. (2017), University of Art Press, Tehran, Iran.
- Talen, E. (2012). "City Rules: How Regulations Affect Urban Form". Island Press. Translated by: **Shakibamanesh, A.**, Mirgholami, M. (2017), Tehran Urban Research & Planning Center, Tehran, Iran.

- Paumier, C. B. (2004). "Creating a Vibrant City Center: Urban Design and Regeneration Principles". Urban Land Inst. Translated by: **Shakibamanesh, A.**, and Behzadfar, M. (2010), Iran Science and Technology University Press, Tehran, Iran.
- Meeda, B., Parkyn, N., & Walton, D. S. (2007). "Graphics for urban design". Thomas Telford. Translated by: **Shakibamanesh, A.**, Ghorbanian, M. (2012). Tahan Press, Tehran, Iran.

D: JOURNAL PUBLICATIONS

- Pouyan, A.E., Ghanbaran, A.H., **Shakibamanesh, A** (2023), "Evaluating Building Wayfinding Performance in Healthcare Environment: A Novel Hybrid Decision-Making Model", Architectural Science Review.
- **Shakibamanesh, A**; Kokabi, M (2022), "Investigating Mass-Space System to Reach an Optimal Model for Analyzing Visibility Among Buildings and Public Open Spaces Using Three-Dimensional Isovist", MEGARON journal.
- Veisi, O., **Shakibamanesh, A.**, & Rahbar, M. (2022). "Using intelligent multi-objective optimization and artificial neural networking to achieve maximum solar radiation with minimum volume in the archetype urban block". Sustainable Cities and Society, 104101
- Mirgholami, M., **Shakibamanesh, A.**, & Salimi, S (2022), "Visual Impact Assessment of Urban Developments Around Heritage Landmarks Using ULVIA Method (the Case of Ark-E-Alishah Monument in Tabriz)", Journal of Environment and Planning B: Urban Analytics and City Science.
- Pouyan, A; Ghanbaran, A; **Shakibamanesh, A** (2021), "Impact of Circulation Complexity on Hospital Wayfinding Behavior (Case study: Milad 1000-bed Hospital, Tehran, Iran)", Journal of Building Engineering.
- Partovi, P; Sedaghat, K; **Shakibamanesh, A** (2021), "Exploring Successful Small Urban Spaces' Criteria with Emphasis on Cultural Context", Journal of TEHNIČKI GLASNIK.
- **Shakibamanesh, A**; Kokabi, M (2022), "Investigating Mass-Space System to Reach an Optimal Model for Analyzing Visibility Among Buildings and Public Open Spaces Using Three-Dimensional Isovist", MEGARON journal.
- **Shakibamanesh, A**; Ajidanpoor, M (2021), "Investigating the Effect of Physical Structure and Spatial Configuration on the Quality of Pedestrian Soundscape Experience in Public Spaces Using Virtual Reality (Case study: Valiasr Square to Jihad Square, Tehran), Journal of Architecture and Urban Planning.
- **Shakibamanesh, A.**, Moosavi, Y. (2021), "Investigation of the three-dimensional distribution of sound of industrial uses to achieve their correct location in the height layers of buildings; using GIS and Cityengine (Case study: District 3 of District 12 of Tehran), Environment Identity (The journal of research in urban planning and architecture).
- **Shakibamanesh, A.**, Farahbod, A. (2021), "The Effect of Street Design on Thermal Comfort (Case Study: Ferdowsi Street on the 12 Region of Tehran)", Scientific Journal of Iranian Urbanism, Vol 3, No. 5.
- **Shakibamanesh, A.**, Kariminiya, F. (2020), "Using Network-Based Analysis to Measure the Physical Resilience of Urban Neighborhoods; (Case Study: Sanglaj Neighborhood in Tehran)", Journal of Resilient City.
- **Shakibamanesh, A.**, Kokabi, M. (2020), "Investigating the Visibility of Historical Elements in Urban Landscape; Using Two-Dimensional Isovist Analysis (Case study: Tehran Golestan Palace)", ANDISHNAME; Journal of Urban planning and Design, Vol 1, No. 1.
- Saranjampour, N., **Shakibamanesh, A.**, (2020), "Urban Smart Kiosk for Cloth Sharing: The Revival of the Iranian Culture of Donation", DASTAVARD; Iran's First Specialized Industrial Design Journal, Vol 29, Issue 41.
- **Shakibamanesh, A.**, Ghorbanian, M. (2018), "Effects of Urban Spatial Configurations and Physical Structures on Pedestrians' Perception of Subjective Duration", Interaction Design and Architecture(s), No.36.

- **Shakibamanesh, A.**, Ghobai, P, Ayashm, M. (2018). "Investigating the Effect of Urban Squares Visibility on the Psychological Security of Pedestrians Using the Three-Dimensional Isovist Technique (Case Study: the Saat Square and Namaz Square of Tabriz)" (in Persian), Iranian Association of Architecture & Urbanism Journal, Iran University of Science & Technology.
- **Shakibamanesh, A.**, & Ghorbanian, M. (2017). "Toward time-based design: Creating an applied time evaluation checklist for urban design research". *Frontiers of Architectural Research*, 6(3), 290-307
- Aali, A., Haghparast, F., Maleki, A., **Shakibamanesh, A.** and Ghobadi, P. (2017). "Optimum Form and Placement of Urban Blocks to Maximize the Use of Solar Energy – A Case Study", *International Journal of Optimization in Civil Engineering*, Vol 7, No. 4.
- **Shakibamanesh, A.**, Hakimi, Y. (2017). "The Effect of physical Space Visibility on the Pedestrians Behavior in Urban Squares Using 3D Isovist Analysis (Case Study: Sabze Meydan Square in Tehran)", *Journal of Urban Studies*, Volume 7, Issue 25.
- Mirgholami, M., Medghalchi, L., **Shakibamanesh, A.**, Ghobadi, P. (2016). "Developing Criteria for Urban River Restoration Based on Biophilic and Water Sensitive Approaches", *Manzar Journal*, Vol 36
- **Shakibamanesh, A.** (2014). "Improving results of urban design research by enhancing advanced semi-experiments in virtual environments". *International Journal of Architecture & Urban Planning*, Iran University of Science & Technology, 24(2), 131-141.
- **Shakibamanesh, Amir**, Behzadfar, Mostafa. (2014), "Investigation on Philosophy of Place Phenomenology; Analytical Exploration of David Seamon's Viewpoints about Home as a Place", (in Persian), *Hoviate Shahr Journal (Islamic Azad University Scientific – Research Journal)*, Vol.4, No. 3.
- **Shakibamanesh, A.**, Behzadfar, M., Alalhesabi, M. (2014), "Modern Urban Design: From Cue Approach to Practical Optical Illusions", *NaghsheJahan Journal (Basic studies and New Technologies of Architecture and Planning (Tarbiat Modares University Scientific – Research Journal)*, Vol 4, Issue 2.
- **Shakibamanesh, A.** (2011). "Non-Structural Lid Alternative Design Considerations For Urban Circulation Planning, and Design". *International Journal of Academic Research*, 3(1).
- **Shakibamanesh, A.**, Behzadfar, M. (2011), "Promoting City Center Parking Qualities by Using Urban Design Guidelines", *International Journal of Architecture & Urban Planning*, Iran University of Science & Technology, Vol. 21, No. 1.
- **Shakibamanesh, A.**, Daneshpour, A. (2011), "Compact City; Dose It Create an Obligatory Context for Urban Sustainability?" *International Journal of Architecture & Urban Planning*, Iran University of Science & Technology, Vol. 21, No. 2.
- **Shakibamanesh, A.**, Shie, E. (2012), "Strategic (Spatial) Planning; an Efficient Approach in Urban Planning System", (in Persian), *Iranian Association of Architecture & Urbanism Journal*, Iran University of Science & Technology, Vol. 1, No. 2.
- **Shakibamanesh, A.**, Behzadfar, M. (2008), "The Location of Design Guidelines in Urban Design Process and their Role in Promoting Urban Spaces Quality", *Armanshahr Architecture & Urban Development journal*, Vol 1, No. 1.. .
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E: CONFERENCE PRESENTATIONS

- Veisi, o; **Shakibamanesh, A** (2021), "Solar City, Future City; Analysis of solar Radiation towards optimization and location of the urban blocks in the neighborhood units", *Urban Planning & Architectural Design for Sustainable Development (UPADSD) – 6th Edition*, Florence, Italy
- **Shakibamanesh, A.** Naghshbandi, S (2021), "A review of studies in the field of playground design to help treat and educate children with autism using the virtual reality method", *The*

First International Symposium of the Kids' Utopia, held by UN Habitat and Iran University of Science and Technology, Tehran, Iran.

- **Shakibamanesh, A.** Mogharrabi, Z (2021), "A review of the emerging concept of digital twin and its application in urban design and planning", Second international conference on new technology in architecture engineering and town planning in Iran, Tehran, Iran.
- **Shakibamanesh, A.**, Tahmasbnejad, G., Darkahi, M (2020), "Analyzing the Legibility of Urban Squares; Using Eye Tracker Technique (Case Study: Saat and Namaz Squares in Tabriz)", 5th National Conference on Computer Engineering and Blockchain, Shahid Beheshti University, Tehran, Iran.
- **Shakibamanesh, A.** (2019), "Using Advanced Methods & Techniques in Urban Researches: A Mutation from 3D Digital Models to Interactive Simulations with Emphasis on Virtual Reality", Presentation at the Roundtable: Regional Planning And Design From Theory To Practices, Planning for Transition Conference, 9-13 July, Iuav University, Venice, Italy.
- **Shakibamanesh, A.**, Ajidanpour, N (2019), "Neighborhood Center Design with Emphasis on Improving the Quality of the Audio Landscape (Case Study: Sangalaj Neighborhood in Tehran)", 6th National Congress on Civil Engineering, Architecture and Urban Development, December 10-12, 2019, Iran University of Science and Technology, Tehran, Iran.
- **Shakibamanesh, A.**, Manzouri, S (2019), "Investigating the Effect of Space Form on Users' Movement Patterns; Using 3D Modeling in the Autodesk Revit", First International Conference on Knowledge-Based Civil Engineering, Architecture And Urbanism, November 11, 2019, Islamic Azad University, Science and Research Branch, Tehran, Iran.
- **Shakibamanesh, A.**, Rezayian, M; Gholizade, Y (2018), "Using Geographic Information System (GIS) in Visual Axis Analysis and Visual Barriers (Case Study: Tabriz Citadel)", 3rd International Conference on Civil Engineering, Architecture and Urban Design, September 5-7, 2018, Islamic Art University, Tabriz, Iran.
- **Shakibamanesh, A.**, Rezayi, N (2018), "Analysis of Urban Traffic Accidents with SANET Software (Case Study: District 8 of Tabriz)", 3rd International Conference on Civil Engineering, Architecture and Urban Design, September 5-7, 2018, Islamic Art University, Tabriz, Iran.
- **Shakibamanesh, A.**, Ebrahimi, B (2018), "Analytical Review on the Application of Parametric Modeling in Urban Design", international conference on Civil engineering and urban management in Iran, August 5-7, 2018, Tehran University, Tehran, Iran.
- **Shakibamanesh, A.**, Akhavan, S. (2017), "Implementing Visual Landscape Concept to fit the urban space for the blinds", 5th International Congress on Civil Engineering, Architecture and Urban Development, December 26-28, 2017, Shahid Beheshti University, Tehran, Iran.
- **Shakibamanesh, A.**, Ebrahimi, B. (2017), "An Investigation into the Concept of Urban Blocks based on Four-Dimensional Approaches; Sustainable Development, Social Block, Gestalt, and Pedestrian-Oriented Development", 7th International Conference on Sustainable development & Urban Construction, December 14, 2017, Isfahan, Iran.
- **Shakibamanesh, A.**, T.Hashemi, S. (2017), "Investigating the Effect of Visibility of Urban Spaces on Their Legibility (Case Study: Tehran Aminolmolk Street)", 3rd International Congress on New Horizons in Architecture and Planning (HIAP, 2017), Tarbiat Modares University, Tehran, Iran.
- **Shakibamanesh, A.**, Ghasemi, N. (2016), "The Effect of Urban Physical Features on the Reliability of Pedestrians Mental Images; Using Quasi-Tests in a Virtual Environment (Case Study: Bahar Avenue, Tehran 7th District), The Second International Conference On Urbanism, Urban Management And Development Kharazmi, December 12, 2016, Shiraz, Iran.
- **Shakibamanesh, A.**, Alimardaniyan, P. (2016), "Using Design Guidelines in Order to Achieve a Healthy City Paradigm in Urban Neighborhoods: An Effort to Promote Public Health", 2nd International Congress on New Horizons in Architecture and Planning (HIAP, 2017), Tarbiat Modares University, Tehran, Iran.

- **Shakibamanesh, A.,** Shokoofan, F. (2016), "Investigating the Relationship between Place and Behavior in order to Create a Successful Public Space; Case Study: Aminolmolk Street, Tehran", Second International Conference in New Research on Civil, Architectural & Urban management, Tehran, Iran.
- **Shakibamanesh, Amir.** (2013), "Virtual Reality as a Tool for Urban Design", 2nd Basic and Clinical Neuroscience Congress, Tehran, Iran.
- **Shakibamanesh, Amir.** (2013), "Analyzing Iranian - Islamic Identity of Urban Public Arts", Beautification Conference, Shiraz, Iran.
- **Shakibamanesh, Amir.** (2010), "The Location of Design Guidelines in Urban Design Process and their Role in Promoting Urban Spaces Quality", IACA-8 2010 (8th International Architectural Conference), Egypt.
- **Shakibamanesh, Amir.** (2010), "Climatic Design Guidelines in Tehran, Iran with Emphasis of Wind and Sun Radiation", ICSAUD 2010 (International Conference on Sustainable Architecture & Urban Design), Malaysia.
- **Shakibamanesh, Amir.** (2010), "Sustainable Green Corridor as Breathing Spaces: Ecological Effects on City", ICSAUD 2010 (International Conference on Sustainable Architecture & Urban Design), Malaysia.
- **Shakibamanesh, Amir.** (2009), "Key Urban Design Principles for Promoting City Center Quality", PPGC 2009 (Positioning Planning In Global Crises), Bandung, Indonesia.
- **Shakibamanesh, A.** (2008), "Investigating on City Centers Problems; Finding Criteria to determine their Effect Range", Zagros Traditional Settlements International Conference, Sanadaj, Iran.
- ...

ACADEMIC EXPERIENCES

SEPTEMBER 2018 – PRESENT: ASSOCIATE PROFESSOR OF URBAN DESIGN, Department of Urban Design, Faculty of Architecture and Urban Studies, University of Art , Tehran, Iran.

SEPTEMBER 2013 – 2018: ASSISTANT PROFESSOR, Department of Urban Design, Faculty of Architecture and Urban Studies, University of Art ,Tehran, Iran.

2013- 2020: VISITING PROFESSOR, Department of Urban Design, Faculty of Architecture and Urbanism, Tabriz Islamic Art University, Tabriz, Iran.

2018: VISITING PROFESSOR, Department of Computer Arts (Computer Games Production), Faculty of Multimedia, Tabriz Islamic Art University, Tabriz, Iran.

2014-2015: VISITING PROFESSOR, Faculty of Architecture and Urban Studies, Tehran University, Aras International Campus, Jolfa, Iran.

2013- 2014: VISITING PROFESSOR, Department of Urban Studies, School of Architecture and Environmental Design, Iran Science and Technology University, Tehran, Iran.

2011- 2012: GUEST LECTURER, Department of Urban Design, Faculty of Architecture and Urban Studies, University of Art ,Tehran, Iran.

2010- 2012: GUEST LECTURER, Faculty of Multimedia, Tabriz Islamic Art University, Tabriz, Iran.

2009- 2013: GUEST LECTURER, Faculty of Architecture and Urbanism, Tabriz Islamic Art University, Tabriz, Iran.

2008- 2009: GUEST LECTURER, Department of Urban development, Faculty of Architecture, Urban & Art, Urmia University, Urmia, Iran.

EXECUTIVE - ACADEMIC RESPONSIBILITIES

2016-PRESENT- DIRECTOR OF VIRTUAL REALITY AND MODERN TECHNOLOGIES LAB (with application in Urban Design and Architecture), Faculty of Architecture and Urban Studies, University of Art, Tehran, Iran.

2015- PRESENT- HEAD OF ART UNIVERSITY KARAJ CAMPUS, University of Art, Karaj, Iran.

2015-2018- HEAD OF "FARABI INTERNATIONAL CAMPUS" at University of Art , Tehran, Iran.

2021- REPRESENTATIVE OF ART UNIVERSITY IN MEMORANDUM OF UNDERSTANDING BETWEEN UNIVERSITY OF ART, TEHRAN AND UNITED NATIONS HUMAN SETTLEMENT PROGRAMME (UN-HABITAT).

2020- COLLABORATION WITH THE CENTER FOR INTERNATIONAL SCIENTIFIC STUDIES & COOPERATION, IRAN Ministry of Science, Research and Technology, Tehran, Iran.

2019-2020- MEMBER OF URBAN SPACE COMMITTEE OF TEHRAN MUNICIPALITY BEAUTIFICATION ORGANIZATION, Tehran, Iran.

2019- PRESENT - MEMBER OF THE UNIVERSITY'S OFFICE OF TECHNICAL AFFAIRS & CIVIL PLANS COUNCIL, Art University ,Tehran, Iran.

2017- PRESENT- MEMBER OF UNIVERSITY OF ART INTERNATIONAL COUNCIL, Tehran, Iran.

2017- PRESENT- MEMBER OF THE PH.D. COUNCIL OF URBAN STUDIES, University of Art, Tehran, Iran.

2016- PRESENT- EXECUTIVE HEAD AND MEMBER OF THE UNIVERSITY'S PLANNING COMMITTEE FOR DEVELOPMENT OF ART AND CULTURAL INDUSTRIES PLARK, Art University ,Tehran, Iran.

2019- PRESENT- MEMBER OF THE TECHNOLOGY INCUBATORS AND THE DEVELOPMENT CENTER OF THE UNIVERSITY OF ART, Art University ,Tehran, Iran.

2019- REPRESENTATIVE OF ART UNIVERSITY IN MEMORANDUM OF UNDERSTANDING BETWEEN UNIVERSITY OF ART, TEHRAN AND THE UNIVERSITY OF FLORENCE

2016 AND 2017- MEMBER OF THE JURY OF THE NINTH AND TENTH NATIONAL FESTIVAL OF HARKAT, Ministry of Science, Research and Technology, Iran.

2016- MEMBER OF THE JURY OF THE NATIONAL COMPETITION OF LOCAL FACADES, GLOBAL CITY, Tabriz Municipality, Deputy Mayer for Urban and Architectural Engineering, Tabriz, Iran.

2014- 2016- VICE CHANCELLOR FOR RESEARCH at Faculty of Architecture and Urban Studies, University of Art, Tehran, Iran.

2015- 2016- MEMBER OF THE WORKING GROUP FOR DEVELOPMENT OF THE DATABASE OF URBAN AND ARCHITECTURAL ENGINEERING IDEAS, Tehran Municipality, Tehran Urban Research, and Planning Center, Tehran, Iran.

2015- 2016- MEMBER OF THE ALBORZ PROVINCE CULTURAL HERITAGE SOCIETY, Karaj, Iran.

2014- 2016- MEMBER OF UNIVERSITY OF ART RESEARCH AND TECHNOLOGY COUNCIL, Tehran, Iran.

TEACHING EXPERIENCES

PH.D

- **ADVANCED URBAN RESEARCH METHODS AND TECHNIQUES (BASED ON COMPUTER MODELING AND SIMULATION)**, Faculty of Architecture and Urban Studies, University of Art, Tehran, Iran (2018-Present).

MASTER OF URBAN DESIGN & PLANNING

- **METHODS & TECHNIQUES IN URBAN DESIGN**, University of Art ,Tehran, Iran (2016-Present) and Tabriz Islamic Arts University, Tabriz, Iran (2013- Present).
- **URBAN DESIGN STUDIO 1 (DISTRICT SCALE)**, University of Art ,Tehran, Iran (2017-Present) and Tabriz Islamic Arts University, Tabriz, Iran (2013- Present).
- **URBAN STUDIES STUDIO 5 (LAND PREPARATION AND DEVELOPMENT)**, Faculty of Architecture and Urban Studies, University of Art, Tehran, Iran (2013-2014).
- **URBAN PLANNING STUDIO 1 (CITY SCALE)**, Department of Urban Planning, University of Tehran, Aras Campus, Jolfa, Iran (2013-2014).
- **URBAN HISTORY**, Department of Urban Planning and Design, School of Architecture and Urban Studies, Iran University of Science and Technology, Tehran, Iran (2013-2014) and Department of Urban Planning, University of Art, Aras Campus, Jolfa, Iran (2013-2014).
- **URBAN SPACE, FORM AND SHAPE ANALYSIS**, Department of Urban Design, University of Tabriz Islamic Arts, Tabriz, Iran (2013-2014).
- **COGNITION AND ANALYZING URBAN OPEN SPACES**, Department of Urban Planning, University of Tehran, Aras Campus, Jolfa, Iran (2013-2014).
- **FUNDAMENTALS OF URBAN DESIGN AND PLANNING**, Department of Urban Planning, University of Tehran, Aras Campus, Jolfa, Iran (2013-2014).

MASTER OF COMPUTER ARTS (COMPUTER GAMES PRODUCTION)

- **DESIGN AND VISUALIZATION (2)**, Department of Computer Arts (Computer Games Production), Faculty of Multimedia, Tabriz Islamic Art University, Tabriz, Iran (2018).

BACHELOR OF URBAN PLANNING AND ARCHITECTURE

- **ENGLISH FOR URBAN DESIGNERS AND PLANNERS**, Department of Urban Planning and Design, School of Architecture and Urban Studies, University of Art, Tehran, Iran (2013-Present).
- **URBAN STUDIES STUDIO 3 (NEIGHBORHOOD DESIGN)**, Department of Urban Planning and Design, School of Architecture and Urban Studies, University of Art, Tehran, Iran (2012-Present) and Department of Urban Studies, School of Art, Urmia University, Urmia, Iran (2010-2011).
- **URBAN STUDIES STUDIO 2 (DATA COLLECTION, DATA ANALYSIS, FORMULATION OF GOALS & OBJECTIVES)**, Department of Urban Planning and Design, School of Architecture and Urban Studies, University of Art, Tehran, Iran (2013-Present) and Department of Urban Studies, School of Art, Urmia University, Urmia, Iran (2010-2011).
- **URBAN UTILITIES AND INFRASTRUCTURES**, Department of Urban Planning and Design, School of Architecture and Urban Studies, University of Art, Tehran, Iran (2013-2014).
- **PERCEPTION AND PRESENTATION OF URBAN ENVIRONMENT**, Department of Architecture, Tabriz Islamic Art University, Tabriz, Iran (2010- 2014).
- **ARCHITECTURAL PRESENTATION**, Department of Architecture, Tabriz Islamic Art University, Tabriz, Iran (2012- 2013).

BACHELOR OF MULTIMEDIA

- **VIRTUAL REALITY STUDIO 1 (CREATING VIRTUAL SPACES IN ACCORDING TO ACHIEVE DIFFERENT HUMAN SENSES)**, Department of Computer Arts (Computer Games Production), Faculty of Multimedia, Tabriz Islamic Art University, Tabriz, Iran (2010-2014).

SUPERVISORSHIPS

DOCTORAL (IN PROGRESS)

- Ahmadpoor, Narges (2020- in progress), "Investigating the Effects of Physical Configuration on Space Readability from Pedestrian Viewpoint; Using EEG in Virtual Environment", Urban Studies Ph.D. Candidate, Faculty of Architecture and Urban Studies, University of Art , Tehran, Iran.
- Riyahi, Ali (2023- in progress), " Developing a Feasibility Framework for Digital Twin Systems in the Context of Planning and Design of Tehran Metropolis with Emphasis on Crisis Management", Urban Studies Ph.D. Candidate, Faculty of Architecture and Urban Studies, University of Art ,Tehran, Iran.
- Sanayifar, H (2022- in progress), "Critical discourse analysis of the smart city; Imagination of uncontrolled and non-capitalist smart city", Urban Studies Ph.D. Candidate, Faculty of Architecture and Urban Studies, University of Art ,Tehran, Iran.
- Shariatpour, Farshad (2023- in progress), "Generative Urban Design: From Rigidity to Generative Solutions in Smart Cities Age", Urban Studies Ph.D. Candidate, Faculty of Architecture and Urban Studies, University of Art ,Tehran, Iran.

MASTER (COMPLETED)

- Ajidanpour, N (2020), "Using Virtual Reality to Investigate the Effect of Physical Structure and Urban Configuration on the Quality of Pedestrian's Soundscape Experience in Public Spaces (Case Study: Valiasr street- Tehran)", Master of Urban Design, Department of Urban Design, University of Art ,Tehran, Iran.
- Kokabi, M (2020), " Analyzing the Mass-Space 3D Relationship System to Achieve Optimum Visibility Between Urban Buildings and Public Spaces; Using 3D Isovist Technique (Case Study: Persian Gulf Lake in Tehran)", Master of Urban Design, Department of Urban Design, University of Art, Tehran, Iran.
- Haghighatnejad, K (2020), "Using Augmented Reality to Guide the User in Reducing Energy Consumption in Residential Buildings", Master of Energy in Architecture, Department Architecture, University of Art, Tehran, Iran.
- Karimiyan, B (2020), "Investigating the Relationship Between Spatial Configuration and Walkability in Urban Neighborhoods (Case Study: Valiasr Neighborhood, Tehran)", Master of Urban Design, Department of Urban Design, University of Art, Tehran, Iran.
- Kariminiya, F (2019), "Designing the Form and Texture of Urban Neighborhoods with the Approach of Physical Resilience Enhancement (Case study: Sanglaj Neighborhood in Tehran)", Master of Urban Design, Department of Urban Design, University of Art, Tehran, Iran.
- Amiri, M (2019), "Designing High-Rise Building with BIM Approach; Using Virtual Reality", Master of Architecture, University of Tehran, Tehran, Iran.
- Sadra, Safoora (2019), "Effect of 3D Configuration on Pedestrian Perception by Using EEG in Virtual Reality Environment", Master of Urban Design, Department of Urban Design, Art University ,Tehran, Iran.

- Moosavi, Seyed Yoosef (2019), "Three-Dimensional Sound Presentation in Urban Space for Placement to Optimize Industrial Land Use with Using of GIS, (Case Study: District 3 of the 12th District of Tehran)", Master of Urban Planning, Department of Urban Planning, Art University, Tehran, Iran.
- Shayanpoor, Ashkan (2018), "Using Virtual Reality in the Construction and Maintenance of Prefabricated Residential Complexes", Master of Digital Architecture, Department of Architecture, Tehran University, Tehran, Iran.
- Ebrahimi, Bitra (2018), "Spatial Organization of Urban Blocks; Using Parametric Design Method (Case Study: Part of the Central Texture of the 12th District in Tehran)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Hesami, Siyamand (2018), "Survey the Impact of Urban Neighborhoods Form on Climatic Comfort with Emphasize on Wind Flow (Case Study: Central Fabric of Sanandaj City)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Rabie, Mohamad (2018), "Designing Sustainable Urban Blocks In Warm And Dry Climate; Using Parametric Design Method", Master of Urban Design, Islamic Azad University, Tehran, Iran.
- Davoodi, Alaa (2017), "Taking Advantage of Augmented Reality System to Improve the Scientific and Practical Process of Urban Facades Design", Master of Multimedia, Department of Computer, Razi University, Kermanshah, Iran
- Zanganeh, Sakineh (2017), "Improving Ecological Quality of Urban Spaces with Low Urban Impact Development (LIUDD) Approach (Case Study: Tehran's Sangalaj Neighborhood)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Seyed Ali, Elahe (2017), "Organizing Urban Pavements Bulkhead with an Emphasis on a Sense of Dynamism and Motion (Case Study: Moalem Pavements, Ghom)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Akhavan, Setare (2017), "Designing Cities to Improve the Quality of Soundscape; Towards a Better Pedestrian Experience (Case Study: Taatre- e- Shahr, Tehran)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Talebi, Soheila (2016), "Recreation of Urban Squares Identity; Toward Making the Sense of National Unity (Baharestan Square in Tehran)", Master of Urban Design, Department of Urban Design, Payame Noor University, Tehran, Iran.
- Khalife Gholi, Aleme (2017), "Simulating the Wind Effect in Designing the Forms of Urban Open Spaces in order to Improve Environmental Comfort (Case Study: Sanglaj Neighborhood in Tehran)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Hakim, Yasaman (2017), "The Effect of Built Space Visibility on Some Types of Pedestrian Behavior in Urban Squares (Using 3D Isovist Analysis); A Case Study from Tehran, Sabze Meydan square", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Jelvani, Matin (2016), "Analytical Study of the Morphology to Enhance the Physical Identity of Urban District; Using the Space Syntax Method", Master of Urban Planning, Aras International Campus, Tehran University, Tehran, Iran.
- ...

MASTER (IN PROGRESS)

- Ashouri, R (in progress), "Investigating the Relationship between Visibility and Perception of Urban Facades; Using Eye Tracking Technique in Virtual Environment (Case Study: Bamonar Street, Tehran)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Manzouri, S (in progress), "Behavioral Study on Pedestrian Movement Patterns in Urban Spaces According to Their Attention to Build Environment with the Use of Eye Tracking in

Virtual Environment", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.

- Mojadami, F (in progress), "Extracting Hidden Form-Based Codes from Traditional Neighborhoods of Tehran; Towards Optimizing Codes in the Parametric Design Process of New Neighborhoods", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Ebadi, H (in progress), "Promoting the Role of Historic-Tourist Places in Urban Structure with Connected Network Approach; Using the UNA Method (Case Study: District 12 of Tehran Municipality)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Veisi, O (in progress), "Study effect of Morphological Indices of Urban Block Design on Improvement of Passive Solar Energy Absorption Levels (Case Study: Kermanshah City in Iran)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Niyakan, M (in progress), "The Effects of Outdoor Thermal Comfort on Social Behavior in Hot and Humid Climate Case Study: Ahvaz City", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- Kia, H (in progress), "Promoting the Role of Historic-Tourist Places in Urban Structure with Connected Network Approach; Using the UNA Method (Case Study: District 12 of Tehran Municipality)", Master of Urban Design, Department of Urban Design, Art University, Tehran, Iran.
- ...

DISSERTATIONS ADVISOR (DOCTORAL)

- Pooyan, A (2019-in progress), "Principles of Wayfinding Process Improvement in Therapeutic Spaces and Facilitating Behavioral Dynamics- Using Neuroscience Approach", Ph.D. candidate of Architecture, Shahid Rajaee Teacher Training University, Tehran, Iran.
- Sedaghat, K (2019-in progress), "Defining the Principles and Components of Efficiency and Success of Small Urban Spaces (Case Study: Small Urban Squares of Historical Fabric of Esfahan)", Ph.D. candidate of Urban Planning, Art University, Tehran, Iran.

DISSERTATIONS ADVISOR (MASTER)

- Aali, Alireza (2017), "Designing a Neighborhood Based On Low-Carbon Approach", Master of Urban Design, Tabriz Islamic Art University, Tabriz, Iran.
- Ghobadi, Parisa (2017), "Urban River Restoration Based on Biophilic and Water Sensitive Approaches", Master of Urban Design, Tabriz Islamic Art University, Tabriz, Iran.
- Amin, Ali (2017), "Urban Design Guidelines for Improving Quality of Small Public Urban Spaces (Case Study: Bagh e Saba Neighborhood, Tehran)", Master of Urban Design, Tarbiyat Modarres University, Tehran, Iran.
- Sotoodeh, Arman (2015), "Creating Vibrant City Centers through Urban Design (Case Study: Designing the City Center of Marivan in Iran)", Master of Urban Design, Tabriz Islamic Art University, Tabriz, Iran.
- Shokrani, Mahsa (2014), "Analyzing the Impact of the Urban Spaces Form on Incidence of Environmental Crime- An Integrated Analysis; Using Space Syntax and Isovist (Case Study: Neighborhoods of Urmia City)", Master of Urban Design, Tabriz Islamic Art University, Tabriz, Iran.
- ...

GRANTS AND VISITING FELLOWSHIPS

2022. Visiting researcher at the **SCHOOL OF ARCHITECTURE AND URBAN PLANNING, UNIVERSITY OF FLORENCE**, Research Topic: Modeling & Simulation Approaches in Urban Planning and Design (with focus on Agent-Based Models, 6 July to 6 September 2022, Florence, Italy.

2019. A short-term research fund from the **EUROPEAN URBAN PLANNERS ASSOCIATION (AESOP)**, Aesop Young Investigator Training Program, Attending as a visiting researcher at the School of Architecture and Urban Planning, University of Florence, 4 June to 9 July 2019, Florence, Italy.

HONORS AND AWARDS

2005. THE NATIONAL CANDIDATE OF TOP STUDENT IN THE DISCIPLINE OF ART, Elected by the Ministry of Science, Research and Technology, and received the honorary award from the then Iran President.

PROFESSIONAL AFFILIATIONS AND SERVICES

JOURNAL EDITORIAL BOARD

- Journal of City Diversity, China (2021- Present).
- Asian Journal of Natural and Applied Sciences (AJSC), Oyama, Japan (2013-Present).
- Urban Design Discourse; a Review of Contemporary Literatures and Theories (in Persian), Tarbiat Modares University, Tehran, Iran (2019- Present)
- Journal of Urban Research, Toronto, Canada (2021- Present).

REVIEWER OF JOURNALS AND CONFERENCES

- Civil Engineering and Architecture Journal, Cincinnati, USA (2010-2011).
- International Journal of Architectural Engineering & Urban Planning (IJAEUP), Iran University of Science and Technology, Tehran, Iran (2012-Present)
- Motaleate Shahri (journal of Urban Studies), Kordestan University, Sanandaj, Iran, (2012-Present)
- Armanshahr Architecture & Urban Development journal; ISC degree (Both in English and Persian), (2012- Present)
- Journal of Architecture and Urban Planning (in Persian), Art University, (2013-Present)
- Journal of Iranian Architecture & Urbanism, Iran University of Science and Technology, Tehran, Iran (2012-Present)
- International Symposium on Design and Research in Artificial and Natural Sciences (DRANS 2010), Orlando, Florida, USA, (2010).
- The First International Symposium of The Kid's Utopia, co-hosted by the University of Science and Technology, and UN-Habitat, Tehran, Iran, May 2021

- FUPS2018; First International Conference on Future of Urban Public Spaces, hosted by the University of Tarbiyat Modares, Tehran, Iran, September 2018
- International Conference on Urban Design Theory & Practice in Iran (co-hosted by the University of Kurdistan and Birmingham City University), Sanandaj, Iran, May 2012
- ...

KEYNOTE SPEAKER

- **Shakibamanesh, A.** (2019), "Using Advanced Methods & Techniques in Urban Researches: A Mutation from 3D Digital Models to Interactive Simulations with Emphasis on Virtual Reality", Presentation at the Local Seminar: Regional Planning and Design from Theory to Practices, June 27, Department of Architecture, University of Florence, Florence, Italy.
- **Shakibamanesh, A.** (2019), "The Role of Interactive Simulations and Virtual Reality in the Design and Planning of Smart Cities", Smart City as a Vibrant City Seminar, November 2, 2019, Tehran Beautification Organization, Tehran, Iran.
- **Shakibamanesh, A.** (2018), "Using Interactive Simulations and Virtual Reality in Smart Urban Design and Planning", Future City; Smart City Seminar, April, 2018, Bouilisina University, Hamadan, Iran.
- **Shakibamanesh, A.** (2013), "Virtual Reality as a Tool for Urban Design", 2nd Basic and Clinical Neuroscience Congress, 18th to 20th December 2013, Tehran, Iran.
- ...

SCIENTIFIC COMMITTEE MEMBER

- International Conference on Urban and Intercity Roads Landscape (a Vernacular Approach), Iran University of Science and Technology, Tehran, Iran. (2018).
- 3rd International Congress on New Horizons in Architecture and Planning (HIAP), Tarbiat Modares University, Tehran, Iran (2017).
- Future City; Urban Design and Its Governance Seminar and Workshop (Main Lecturer: Professor Matthew Carmona), Iran University of Science and Technology, Tehran, Iran. February 2017
- The Fourth Congress on the History of Architecture and Urbanism in Iran, Cultural Heritage, Handicrafts and Tourism Organization of Iran, Alborz Province, Karaj, Iran January 2017.
- National Urban Design Contest entitled "Local Facades, World City", Tabriz Municipality, Tabriz, Iran, 2017.
- Cooperation with "Tehran Urban Research and Planning Center" as a member of "the Committee for Development of Urban and Architecture Ideas" June 2015- September 2016
- Eco Responsive Urban Design Seminar and Workshop (Main Lecturer: Professor Ian Bentley), Shahid Beheshti University, Tehran, Iran, December 2014.
- 1st National Conference on Urban Planning, Urban Management and Sustainable Development, Tehran, Iran. February 2015.
- Secretary of the National Competition For Innovative Design of the Entrance of Farabi International Campus, University of Art, Tehran, Iran, 2016.
- ...

WORKSHOPS

- Shakibamanesh, A. (2018), "Methods of Validation and Identification of Scientific Journals", for University of Art Ph.D Students, under the supervision of the Academic & Graduate Studies Office, Art University, December 22, 2018.
- Shakibamanesh, A. (2017), "How to Find a Correct Peer Reviewed Journals to Publish in; Avoiding Hijacked Journals and Predatory Publishers" for University of Art Staffs, under the supervision of the Academic & Graduate Studies Office, Art University, August 26, 2017.
- Shakibamanesh, A. (2016), "Identifying valid journals from invalid and fake ones" for graduate students, under the supervision of The Iranian Association of Museums and Conservation, Art University, June 23, 2016.

OTHER ACTIVITIES (TV PROGRAMS, INTERVIEW WITH MAGAZINES...)

- TV Program. (2017), "Application of virtual reality Labs in urban design and architecture", Live, IRIB TV4 (the channel of Knowledge), Iran National TV, February 27, 2017



<https://youtu.be/SSfVIFjGhM0>

ACCOMPLISHED PROJECTS

A: RESEARCH PROJECTS:

- **2021-2020**, "Smart Cities Planning and Design Curriculum (Msc Degree) - An Overview of the Course and Supporting Studies, Funded by: Art University.
- **2019-2020**, " Smart Cities Planning and Design Curriculum (Msc Degree) - Preparing the Main and Optional Courses and Assessing the Conclusive Content", Funded by: Art University.
- **2016-2018**, "Creating Sustainable Urban Spaces Based on Smart Growth Approach; an Effort to Promote Urban Environments Giving Priority to Sustainable Human-Based Transportation (Case Study: District 12 of Tehran)"; Funded by: Art University.
- **2015-2016**, "Creating an Urban Design Framework for Mashhad Metropolis", Collaboration with Scientific and Industrial Cooperation Office, Iran University of Science and Technology.
- **2014-2015**, "Islamic Iranian Pattern of Urbanism in Mashhad Metropolis", Collaboration with Armanshahr Consulting Engineers Co.

B: PROFESSIONAL PROJECTS

- **2006- 2007**, Collaboration with Farnahad Consulting Engineers Co. (Grade 1 in Urban planning & Design), in compiling:
 - Master Plan for Development of Shandiz City, Iran.
 - Mashhad Urban Plan, Iran

CORE QUALIFICATIONS & SKILLS

- Designing and planning Cities (knowledgeable about how to plan the structures of a city, its policies, infrastructure, neighborhoods, building codes, and regulations, and design the city features and promote user's experience and quality of life in cities in general).

- knowledgeable about equipping and setting up the most up-to-date Urban VR LABs
- Researcher with focus on combining the capacities of the digital twin with immersive virtual environment-in terms of interactions and dealing with dynamic and participatory design of public spaces- to help and enable the realization and construction of smart cities
- Researcher with focus on application of cognitive psychology and neurology (such as Electroencephalography) to the field of environmental and urban design.
- Specialist on urban computer modeling and simulation with a focus on optimization and parametric design
- Geo-spatial analyzer based on geographic information system (GIS)
- Developer of virtual reality (VR) environments
- Developer of innovative urban applications based on Augmented Reality (AR) technology
- Urban network analyzer based on agent-based modeling (ABM) approach
- Specialist on visualization techniques

PROFICIENT IN THE FOLLOWING TOOLS & SOFTWARE:

- knowledgeable about common virtual reality interfaces and devices commonly used in VR LABs (such as head-mounted displays (HMDs), 6DOF head trackers, Eye Trackers, movement simulators and platforms (such as KAT- Walk and KAT LOCO), electroencephalogram (EEG), etc.,)
- “Unity 3d” as a cross-platform game engine and main software for developing VR and AR modeling and simulation
- “CityEngine” as an advanced 3D modeling software for creating huge, interactive, and immersive urban environments
- “Twinmotion” as an intuitive, high-quality real-time architectural visualization tool
- “Lumion” as a 3D rendering software
- Urban Network with “Space Syntax” common software including QGIS, Depthmap, Axwomana for urban network analysis
- Urban Network Analysis (UNA) toolbox in Rhino3D
- “ArcGIS” software for analyzing geographic information and visualizing geographical statistics and data
- “SketchUp” and “AutoCAD” for 2D and 3D modeling
- “ENVI-met” for environmental analysis and urban climatic modeling and simulation
- Other
 - LATEX
 - Photoshop
 - In design
 - Microsoft office
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RESEARCH INTERESTS

- Computer modeling and simulation in urban design
- Analyzing visual scenes
- Urban space interactive modeling/ simulations based on Virtual & Augmented Reality
- Urban morphology/ spatial structure
- Urban Climate Modeling
- Urban visualization techniques
- Innovative sensing technologies