Imdat As

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EDUCATION

Harvard University, Cambridge, MA
Doctor of Design, Graduate School of Design, May 2005.
Dissertation: "Participatory Virtual Preservation: A Human-Centered Digital Media Procedure for Architectural History Inquiry."
Committee: Profs. Daniel Schodek, Takehiko Nagakura and Jorge Silvetti.

Massachusetts Institute of Technology, Cambridge, MA
M.Sc., School of Architecture, May 2002.
Thesis: "Emergent Design: Rethinking Contemporary Mosque Architecture in Light of Digital Technology."
Committee: Profs. Takehiko Nagakura, Sibel Bozdoğan and William Mitchell.

Middle East Technical University, Ankara, Turkey
B.Arch., cum laude, Department of Architecture, June 2000.

RESEARCH AND TEACHING INTERESTS

Artificial Intelligence (AI) and Deep Learning in Design
Crowdsourcing Architecture
Augmented and Virtual (AR/VR) Technologies
Digital Fabrication & Robotics
Architectural Representation and Visualization
Virtual Preservation of Architectural Heritage
Architecture and Urban Design

PUBLICATIONS

Books:

Imdat As, P. Basu, P. Talwar, *Artificial Intelligence in Urban Planning and Design: Technologies, Implementation, and Impacts,* New York: Elsevier, May 6, 2022.

Imdat As, P. Basu, *Routledge Companion to Artificial Intelligence in Architecture,* London: Taylor & Francis, May 6, 2021.

Imdat As, D. Schodek, *Dynamic Digital Representations in Architecture: Visions in Motion*, London: Taylor & Francis, 2008.

Book Chapters:

Elçin Sarı, P. Basu, I. As, "A Machine Learning Approach for Locating Businesses along Main Arteries in Inner Cities," *Resilient and Responsible Smart Cities*, Advances in Science, Technology & Innovation. Springer, 2023.

Mehmet O. Senem, I. As, "Esenler the City of the Future: NAR Innovation District Zero Waste Target," in *Zero Waste*, Editors: Kasım Yenigün, Abdulmenaf Turan, Tugrul Çamaş, Republic of Türkiye Ministry of Environment, Urbanization and Climate Change, 2022. pp. 153-176.

Elçin Sarı, C. Erbas, I. As, "The Image of the City through the Eyes of Machine Reasoning," *Artificial Intelligence in Urban Planning and Design, Technologies, Implementation, and Impacts*. Editors: Imdat As, Prithwish Basu and Pratap Talwar. Elsevier, May 2022.

Imdat As, "Non-Periodic Patterns and Three-Dimensional Geometry in Islamic Religious Architecture," *The Religious Architecture of Islam*, Editors: Hasan-Uddin Khan and Kathryn Moore, Belgium: Brepols Publishers, March 2022.

Imdat As, "A Referential Interpretation of the Unbuilt State Mosque of Turkey," *The Religious Architecture of Islam*, Editors: Hasan-Uddin Khan and Kathryn Moore, Belgium: Brepols Publishers, March 2022.

Imdat As, P. Basu, S. Burukin, "AI in crowdsourced design: Sourcing collective design intelligence," *The Routledge Companion to Artificial Intelligence in Architecture.* Chapter 19. Editors: Imdat As, Prithwish Basu. New York: Routledge, 2021.

Prithwish Basu, I. As, E. Munch, "Generating new architectural designs using topological AI," *The Routledge Companion to Artificial Intelligence in Architecture.* Chapter 9. Editors: Imdat As, Prithwish Basu. New York: Routledge, 2021.

Articles:

Murat As, I. As, "Deep learning-based aesthetic evaluation of detached housing designs using rendered images." *Megaron*, 21(1):x–x., 2026. DOI: 10.14744/megaron.2026.07448

Mustafa Koç, I. As, "Evaluating the aesthetic quality in computer-generated renderings via a comparative analysis." *IDA: International Design and Art Journal*, 7(2), 2025, 255-267.

Mustafa Koç, I. As, "A Case Study of a Machine Learning Usage in Design: Conceptual Models from Graph-based GANs." *GRID - Architecture Planning and Design Journal*, 8(2), 621-639. 2025. DOI: 10.37246/grid.1591809

Yasmine A. Ghani, I. As, "From Masdar City, Abu Dhabi to Florya, Istanbul: What can we learn from smart cities?" Urban Futures, AESOP Annual Congress 2025, Istanbul, July 7-11.

Mustafa A. Aykam, I. As, "Rethinking Educational Spaces: How Technology and Architecture Reshape Control and Social Dynamics in Schools," 8th International Conference of Contemporary Affairs in Architecture and Urbanism (ICCAUA-2025), Alanya, 8-9 May 2025

Mehmet O. Senem, I. As, “Robotic technology and artificial intelligence in the process of creating artworks from waste materials: The role of circular design,” *A/Z ITU Journal of the Faculty of Architecture*, Vol.22 No.2, 2025. DOI: 10.58278/0.2025.74

Mehmet O. Senem, H. Tunçay, M. Koç, I. As, “Generating Landscape Layouts with GANs and Diffusion Models,” *Journal of Digital Landscape Architecture*, 9-2024, pp. 137-144

Mehmet O. Senem, M. Koç, H. Tunçay, I. As, “Using Deep Learning to Generate Front and Backyards in Landscape Architecture,” *Architecture and Planning Journal (APJ)*, Vol 28 Issue 3, 2023.

Süedanur Özden, E. Arslantürk, M. O. Senem, I. As, “Gamification in Urban Planning: Experiencing the Future City via VR,” *Hybrid Space of the Metaverse: Architecture in the Age of the Metaverse, Opportunities and Potentials,* 10th ASCAAD Conference, Lebanon, 12-13 Oct 2022, pp.530-547.

Mehmet O. Senem, M. Koc, I. As, “Using Deep Learning to Generate Front and Backyards in Landscape Architecture,” *Hybrid Space of the Metaverse: Architecture in the Age of the Metaverse, Opportunities and Potentials,* 10th ASCAAD Conference, Lebanon, 12-13 Oct 2022, pp. 2-16.

Elçin Sarı, S. P. Öztürk, I. As, "Geleceğin Dirençli Kenti: Esenler Nar İnovasyon Bölgesi," Çevre, Şehir ve İklim Dergisi. Issue:1, Vol:2, pp. 119-146, June 2022

Elçin Sarı, H. Sacın, S. Yigitarslan, C. Erbas, I. As, "A Machine Reasoning Approach to Identify Design Patterns from City Layouts," IEREK Conference, Future Smart Cities, Dec 2021

Kaan Karabağlı, M. Koc, P. Basu, I. As, "Using AI to turn graph representations into conceptual massing models," SIGraDI2021 Designing Possibilities Conference, Aug 2021, pp. 191-202.

Özlem Cavuş, G. Uyduran, D. Razzaghmanesh, I. As, “An Evolutionary Approach for Topology Finding in Flexible and Modular Housing,” PROJECTIONS, Proceedings of the 26th International Conference of the Association for Computer-Aided Architectural Design Research in Asia (CAADRIA) 2021, Volume 1, 231-240

Imdat As, S. Pal, P. Basu, “Composing Frankensteins: Data-driven design assemblies through graph-based deep neural networks,” Computer Composition: Design after Machine Learning, 107th ACSA Conference, Carnegie Mellon University, Pittsburgh, PA, March 28-30, 2019.

Imdat As, “Competitions in a networked society: crowdsourcing collective design intelligence,” Competitions, 107th ACSA Conference, Carnegie Mellon University, Pittsburgh, PA, March 28-30, 2019.

Imdat As, S. Pal, P. Basu, “Artificial intelligence in architecture: Generating conceptual design via deep learning,” International Journal of Architectural Computing (IJAC), Vol. 16, Issue 4, 2018: 306-327.

Imdat As, T. Nagakura, “Crowdsourcing the Obama Presidential Center: An Alternative Design Delivery Model – Democratizing Architectural Design,” Disciplines & Disruption, ACADIA Conference Proceedings, Cambridge, 2017: 118-127.

Imdat As, T. Nagakura, "Architecture for the crowd by the crowd: A New Model for Design Acquisition," International Journal of Architecture and Urban Studies, Vol.1, No.2, Istanbul, 2016: 68-76.

Imdat As, "Sacred Precincts- The Religious Architecture of Non-Muslim Communities across the Islamic World," a review of book by Mohammad Gharipour, Faith & Form, 49:1, 2016.

Imdat As, M. Angelico, "Crowdsourcing Architecture: A Disruptive Model in Architectural Practice," Synthetic Digital Ecologies, ACADIA Proceedings, San Francisco, 2012: 439-443.
"The Digital Mosque – A new mosque paradigm." Journal of Architectural Education (JAE), Vol. 60 Issue 1 (2006): 54-66.

Imdat As, "Inquiry into architectural heritage with motion graphics and hyper-media." The 7th International Symposium on Virtual Reality, Archaeology and Cultural Heritage VAST, Ed. M. Iannides, D. Arnold, F. Niccolucci, K. Mania, Eurographics Proceedings (2006): 23-28. Nicosia, Cyprus, 30 Oct. - 4 Nov. 2006.

Imdat As, *Participatory Virtual Preservation: A Dissertation Synopsis.* Harvard Design & Technology Report Series 2005-02, Harvard Design School, 2005.

Imdat As, D. Schodek, *Re:Visions – Recording Architecture.* Harvard Design & Technology Report Series 2004-01, Harvard Design School, 2003.

PRESENTATIONS, PANELS AND LECTURES

Panel Moderator at BIMDAYS - AI based Efficiency in the Construction Industry: The Future of Digital Workflows, Panelists: Anıl Bayburtluoglu, Gokmen Tuna Becerik and Arman Tahmansabi, *BIM4TURKIYE*, Türkiye Tasarım Vakfı, Kuzguncuk Iskelesi, Üsküdar, Istanbul, Dec 2, 2025.

Panel Moderator on the Evolution of Mosque Architecture through the Ages, Panelists: Samine Nasim, Yasser Megahed and Tammy Gaber, *4th International Conference on Mosque Architecture*, Istanbul Technical University, Taskısla, Istanbul, Nov 4-6, 2025.

Panelist, "Architectural Episodes: Innovation, Technology, Digital Transformation and the Future of the Construction Industry," *3rd AE International Conference*, Istanbul Kültür University Department of Architecture, Önder Öztunalı Conference Hall, Istanbul, April 10, 2025

Panel Moderator on the Practice of Mosque Design, Panelists: Yasin Cağatay Seçkin, Ömer Selçuk Baz & Waleed Arafa, *ITU International Summer School on Mosque Design*, Taksim Camii Kültür Sanat Merkezi, Beyoğlu, Istanbul, Sep 21, 2024.

Şehir ve Düşünce Akademisi, "Akıllı Şehir Teknolojileri ve Fiziki Mekansal Kurgular," *Akıllı Şehir ve İnovasyon*, Dr. Kadir Topbaş Kültür Sanat Merkezi, Esenler, Istanbul, Dec 17, 2023.

DigitalFutures World Presentation, "Books: AI and the City," moderated by Neil Leach, Doctoral Consortium x FIU DDes, Zoom, Nov 27, 2022.

Kentsel Donusum Sempozyumu (Urban Transformation Symposium), *Kentsel Donusum ve Akıllı Sehirler*, Yıldız Teknik Üniversitesi Davutpasa Kongre Merkezi, Esenler, Istanbul, Nov 8, 2022.

Teknofest Karadeniz, Cevre Sehircilik ve Iklim Degisikligi Bakanligi - Akıllı Sehirler Paneli, Samsun Havalimanı, Sep 2, 2022.

4. Verimlilik ve Teknoloji Fuarı, Yeşil Kalkınma Yeşil Enerji Paneli, ATO Congresium Fuar ve Kongre Merkezi, Ankara, May 18, 2022.

Aksaray Universitesi, "Esenler Gelecegin Sehri: Yasayan Bir Laboratuvar," IBBF Conference Hall, Aksaray, May 10, 2022.

Smart City Expo, "NAR Innovation District at Esenler Future City," Booth at the Turkish Ministry of Environment, Urbanization and Climate Change, Msheireb Downtown, Doha, Qatar, 29-30th March, 2022.

SUMMITS Uluslarasi AUS Zirvesi'22, "Ulasimin Gelecegini Sekillendiriyoruz," Ankara, March 10, 2022.

G10 Strateji Platformu Bulusmalari, "Gelecegin Sehirleri Gelecegin Mimarisi," G10 Konusmalari, ZOOM, Nov 25, 2021

(Organized) The Future City Summit (with Bim4Turkey), Istanbul Technical University, ZOOM, May 20-21, 2021.

Iyi Tasarim/Good Design Izmir_5, "Artificial Intelligence, the Designer's Perspective," Panel Discussion, ZOOM Webcast, Dec 18, 2020.

Turkiye'nin Akilli Sehirleri e-Calistayi "Esenler," TUBITAK Bilisim Vadisi, ZOOM, May 12-16, 2020.

Aksaray Universitesi, "Yapay Zeka ve Akilli Sehirler," Sosyal Bilimler MYO, ZOOM, May 14, 2020.

Istanbul Technical University, "Crowdsourcing, AI, and the Future City," Taskisla, Turkey, March 2, 2020.

107th ACSA Conference, "Composing Frankensteins: Data-driven design assemblies through graph-based deep neural networks," Computer Composition: Design after Machine Learning, Carnegie Mellon University, Pittsburgh, PA, March 28-30, 2019.

107th ACSA Conference, "Competitions in a networked society: crowdsourcing collective design intelligence," Competitions, Carnegie Mellon University, Pittsburgh, PA, March 28-30, 2019.

Hochschule Wismar, University of Applied Sciences, Technology, Business and Design, "24 hours Berlin City West," International Workshop on the Future City in Berlin, Germany, March 16-24, 2019.

Forum8 Asia Seminars in Three Cities, "Arcbazar: From Crowdsourcing to Artificial Intelligence in Design," Tokyo, Japan; Seoul, South Korea; and Shanghai, China, 2018.

Bilkent University, "The Future is History: Architecture in the Age of Artificial Intelligence," Ankara, Turkey, 2018.

ACADIA 2017 Conference, "Crowdsourcing the Obama Presidential Center," Disciplines and Disruption - 37th Annual Conference of the Association for Computer Aided Design in Architecture, Cambridge, MA, 2017.

Forum8 Design Conference on Real-time 3D VR Technologies, Autonomous driving, BIM/CIM and cloud computing, "Arcbazar x Project VR," Shinagawa Intercity Hall, Tokyo, Japan, 2016.

United Nations University Seminar, "Crowdsourcing Design and Sustainability for Urban Design Projects," Tokyo, Japan, 2016.

Harvard Real Estate Conference, "Leadership and Entrepreneurship: Transforming the Real Estate Realm," Cambridge, MA, 2016. (Invited Presenter/Panelist)

MIT Hacking Arts Conference, "Is Design Still a Differentiator?" MIT Media Lab, Cambridge, MA, Fall 2014. (Invited Panelist)

Bahçesehir University Lecture Series, "A Referential Interpretation of the Kocatepe Mosque," Istanbul, Turkey, 2014.

FutureM Conference, "Boston Shark Tank," Microsoft NERD Center, Cambridge, MA, 2013.

ACADIA 2012 Conference, "Crowdsourcing architecture: A disruptive model in architectural practice," Synthetic Digital Ecologies - 32nd Annual Conference of the Association for Computer Aided Design in Architecture, San Francisco, CA, 2012.

University of Hartford Architecture Lecture Series, "The Kocatepe Mosque in Ankara," West Hartford, CT, 2012.

MIT VMS v2i, "Arcbazar Start-up Story," MIT Media Lab, Cambridge, MA, 2012.

ABX 2012 – Architecture Boston Exposition, "Crowdsourcing architecture and the disruption of the traditional praxis," Boston Convention and Exhibition Center, Boston, MA, 2012. (Panel Organizer)

MIT Enterprise Forum, "Arcbazar Poster Presentation," Microsoft NERD Center, Cambridge, MA, 2012.

Harvard GSD course lecture, "The Future of Architectural Practice: Crowdsourcing Architecture," Cambridge, MA, 2011.

University of Hartford, Department of Architecture, "BIM in Architectural Education," West Hartford, CT, 2011.

Clemson University, School of Architecture, "Digital Technologies applied in the Architectural Profession," Clemson, SC, 2011.

Philadelphia University, College of Architecture and the Built Environment, "Parametric Design and Digital Media used at ZNA," Philadelphia, PA, 2010.

Great Lakes Ottoman Studies Workshop, "The Kocatepe Mosque: Story of a Neo-Ottoman mosque design in Ankara," University of Notre Dame, South Bend, IN, 2008.

Illinois Institute of Technology, "Digital Media Applications in Architectural Practice and Education," School of Architecture, Chicago, IL, 2007.

VAST Conference, "Inquiry into architectural heritage with motion graphics and hyper-media," the 7th International Symposium on Virtual Reality, Archaeology and Cultural Heritage, Nicosia, Cyprus, 2006.

University of Notre Dame, School of Architecture, "Dynamic Digital Visualizations in Architectural Heritage Preservation," South Bend, IN, 2005.

University of Cincinnati, School of Architecture, "Using Motion-Graphics as a medium for Recording Architecture," Cincinnati, OH, 2005.

University of Oklahoma, College of Architecture, "Survey of Digital Technologies in Architectural Design," Norman, OK, 2005.

INTERVIEWS GIVEN

Çağan, Volkan, "Yurda Dönüş," 1. Sezon, 3. Bölüm, TRT 1, Oct 2025.

Akdoğan, Doğan, "Akıllı Şehirler ve Atık Yönetimi," *Hedef Sıfır Atık*, 3. Sezon, 2. Bölüm, TRT Belgesel, March 2024.

"Bir Dönüşüm Hikayesi: Akıllı Şehir!" 4. Bölüm, Esenler Şehir Ekranı, Jan 2024.

Sisson, Patrick, "What it looks like when AI designs a city," Citylab / Design, Bloomberg, Sep 16, 2023.

Magee, Tamlin, "Are we at the dawn of the AI-created city?" Design & Innovation, Raconteur (The Times Newspaper), Aug 26, 2022.

Poyrazoglu, Kahraman, "Donuste Motivasyon Kaynagi Neydi?" Gundem Disi, TV 24, March 24, 2022.

Dinar, Cihan, "Gelecegin Akilli Sehri Esenler," Sehir ve Dusunce Magazine, Winter 2021.

Altayli, Fatih, "Gelecekte Nasil Yerlerde Yasayacagiz," Teketek Bilim, Haberturk TV, Nov 22, 2021.

Esenler Belediyesi Haberler, "Dunya'ya Ornek Olacak!" Dec 24, 2020

Balci, Aykut, "Gelecegin Akilli Sehirleri Nasil Olacak?," Dunya Trendleri Podcast, Radio Interview, August 21, 2020.

Balci, Aykut, "Mimarlar icin Pazar Yeri Girisimi Arcbazar," Dunya Trendleri Podcast, Radio Interview, April 22, 2020.

Kirk, Mimi, "Will the Advent of Artificial Intelligence Affect Small Firms," Architect Magazine, (Publication of the American Institute of Architects - AIA), Washington, DC, February 2019.

Crosbie, Michael, “Doom or Bloom: What will Artificial Intelligence Mean for Architecture,” CommonEdge.org (also published on ArchDaily.com), 2018.

Özer, Derya Güleç, “Mimarlık Yarısmalarında Yeni Bir Dijital Ortam: İmdat As ile Arcbazar.com Uzerine bir Söylesi,” Arkitera.com, Istanbul, Turkey, 2017.

McManamy, Rob, “Arcbazar brings Architecture to the People,” BuiltWorlds.com, Chicago, IL, 2016.

Charles Patricia, “A Drone’s Eye View of Florence,” University of Hartford News, 2015.

Crosbie, Michael, “Crowdsourcing Design: The End of Architecture, or a New Beginning?” ArchNewsNow.com, 2014.

Ulrich, Karl, “LaunchPad,” 30-min radio interview with Wharton School Business Radio, Sirius XM 111, University of Philadelphia, 2014.

Goldberg, David, “Crowd-Sourced Design,” National Association of Realtors. Chicago, 2013.

Landry, Lauren, “Hoping to Become the Amazon of Architecture, Arcbazar Starts Crowdsourcing Architectural Design,” BostInno.co., 2012.

Sudan, Randeep, “Collective Intelligence and Poverty,” Worldbank.org, 2012.

Szaniszlo, Maria, “Designer, Clients Forge Ties on Web,” Boston Herald, 2012.

Fulcher, Merlin, “Architecture Crowd-sourcing Website Criticized: Architects Have Slammed a Threatening New Crowd-sourcing Website in the US Which Promises to Reduce Clients’ Costs.” The Architects’ Journal, 9 (29): 10, 2011.

Blattberg, Eric, “Arcbazar: Architecture for the Crowd, by the Crowd,” crowdsourcing.org, 2011.
Glidden, Matthew, “Arcbazar’s Founder Talks About Moving Architecture Online,” vencaf.org, 2011.

PUBLICATIONS ON MY WORK BY OTHER AUTHORS

Keslacy, Elizabeth, “Arcbazar and the Ethics of Crowdsourcing Architecture,” in Thresholds 46: “Scatter!” MIT Press, Cambridge, MA, 2018: 300-317.

Buyor, Adriana, and Silvia Avasilcai, “Innovative architectural design development: the Arcbazar creative crowdsourcing contests perspective,” MATEC Conference 184, 04002, 2018.

Tedeschi, Arturo, “The Design Game,” Domus Magazine 1011, March 2017: 17.

Brandt, Beverly K., “Crowdsourcing your Dream (Or your worst Nightmare),” ASID ICON Magazine. Fall 2015: 16-22.

Steinfeld, Kyle, “The data made me do it, direct, deferred and dissolved authorship and the architecture of the crowd,” in Paradigms in Computing: Making, Machines, and Models for Design Agency in Architecture, Ed. D. Gerber and M. Ibanez, eVolo Press, Los Angeles, 2014: 74-76.

Greenway Group, “AIA Foresight Report: The Changing Context, Business, and Practice of Architecture,” The American Institute of Architects, Washington, DC, 2014: 25-26.

Staggs, Brooke Edwards, “Architects miffed at website that offers low-cost bids,” Orange County Register. Los Angeles, 2014.

Gage, Mark Foster, “Rot Munching Architects,” in Perspecta 47: Money, The Yale Architectural Journal, MIT Press, Cambridge, MA, 2014: 21-26.

Heiskanen, Aarni, “The New World of Building Design,” AEC Business, 2013.

HONORS, GRANTS AND AWARDS

- $500k TUBITAK (Turkish Scientific Research Council) research grant to work on the future city, 2020.
- $700k DARPA grant (Defense Advanced Research Project Agency), (with Raytheon), Disruptioneering Program: Artificial Intelligence in Design, 2017.
- Top 100 Most Brilliant Companies - Arcbazar became one of the top hundred companies in the US, Entrepreneur Magazine, 2014.
- Travel award, FuturM Shark Tank, 5-day research excursion for two, London, UK, 2013.
- $150k faculty/student initiative grant for fabrication laboratory, University of Hartford, 2011.
- $15k faculty research award, University of Notre Dame, 2006.
- Travel grant, charrette at the Universität Innsbruck, University of Notre Dame, 2006.
- Merit award (with team Takehiko Nagakura), “Gyeonggi Prehistory Museum” competition in South Korea, 2006.
- GSD fellowship for D.Des. studies, Harvard University, 2002-2005.
- Aga Khan fellowship for S.M.Arch.S. studies, MIT, 2000-2002.
- Travel award, Albert-Ludwigs-Universität Freiburg, Germany, Deutscher Akademischer Austauschdienst (DAAD), 1999.
- 2nd award, “Vakıfbank National Student Design Competition,” Ankara, 1998.

PROFESSIONAL EXPERIENCE

Practicing Architect – Turkey, 2020-present.
Designed various projects as part of my practice.

- 60,000m2 Florya Teknopark Konsept Çalışması, Istanbul, Türkiye, 2025
- 3,220m2 İskilip Bilim Merkezi Avan Projesi, Çorum, Türkiye, 2025
- TÜBİTAK Bilim Merkezi Atölyeleri Tip Projeleri, Uygulama Projeleri, 2025
- 325,000m^2 Science and Technology Park (STP), Esenler, Istanbul, Turkey, 2024
- 320m^2 Children’s Science Workshops and Landscape, Esenler, Istanbul, Turkey, 2024
- 25,000m^2 UAS Research and Manufacturing Center of Excellence, Kiev, Ukraine, 2022

- 340m^2 Deniz Sağdıç House and Gallery, Dudullu, Istanbul, 2022
- 5,000m^2 Converting existing building into a Data Center, Esenler, Istanbul, Turkey, 2021
- 30,000m^2 Science and Technology Park, Esenler, Istanbul, Turkey, 2020
- Mediterranean Villa, Aksaray, Turkey, 2018

Founder, Arcbazar.com – Cambridge, Massachusetts, 2011-present.
Founded and lead the first-of-its-kind online crowdsourcing platform for architectural design projects.
- Completed thousands of crowdsourcing projects all around the world, collected ~20,000 projects and over ~250,000 sheets of visual data.
- Raised ~$1M in seed round and distributed ~$2M to designers worldwide.
- Grew company to a 5-10-person team.
- Company became one of the 'Top 100 Most Brilliant Companies" by Entrepreneur Magazine.

Associate, ZNA Architects – Cambridge, Massachusetts, 2009-2011.
Worked at the associate level on various large-scale architectural development projects in the Middle East and China.
- Mangrove Tree Resort and Conference Center, Qingdao, China.
- Marabet - Equestrian Center for Egyptian Arabian Horses, 6th of October City, Egypt.
- Zhongguancun Electronic City Towers, Beijing, China.

Design Consultant, Thompson Design Group – Boston, Massachusetts, 2002-2004.
Worked on a large-scale digital site-model of the "Qing Yun Shan – Natural Park Development" project in Fuzhou, China.

Intern, Behnisch & Partner – Stuttgart, Germany, 1999.
Worked on the "Lothar Günther Buchheim-Museum" in Bernried, Germany, and on the "Helsinki Music Center" competition in Finland.

Intern, B.G.K.K. Architekten BDA – Berlin, Germany, 1998.
Worked on the "Helene Weigel Platz- Reorganization of an existing building," and the "ARTE complex competition- a new headquarters building for a European cultural TV channel," in Strasbourg, France.

TEACHING EXPERIENCE

Faculty Member, Istanbul Technical University, Turkey, 2023- current.
Faculty of Architecture, Department of Architecture.
- Teaching undergraduate studio and a graduate course.
- Part of a team developing course on AI in architecture, and relevant design disciplines

TÜBİTAK Fellow at Istanbul Technical University, Turkey, 2020-2023.
Faculty of Architecture, Department of Architecture.
- Created research team, sponsoring 5 PhD students working on the future city project.
- Initiated advanced graduate seminar/workshop on the topic of the future city.

Faculty Member, University of Hartford – West Hartford, CT, 2011-2019.

Full-time faculty at the Department of Architecture at CETA - College of Engineering, Technology, and Architecture.

- Created and implemented building information modeling (BIM) courses for graduate and undergraduate students.
- Worked with the department to develop digital fabrication laboratory, purchased equipment, and assisted in implementing digital technologies in studio and coursework.
- Took graduate students to Istanbul, Florence and Havana as part of urban design studios.
- Maintained full teaching load while serving on department committees, studio reviews, and pursued research in digital media and in its real-world applications.

Faculty Member, University of Notre Dame – South Bend, IN, 2005-2009.
Full-time tenure-track faculty as the "James and Louis Nolen Chair of Architectural Technology."

- Founded the fabrication laboratory, developed and taught computer modeling courses, as well as fourth year undergraduate design studios.

Teaching Fellow, Harvard University – Cambridge, MA, 2004-2005.
Developed "Recording Architecture," an advanced digital-media seminar on architectural preservation, co-instructed with Daniel Schodek.

- Created syllabus, taught classes, instructed lab sessions.

Research Assistant, Harvard University – Cambridge, MA, 2003-2005.
Worked on the "Vatican Hill Topography Project," a Getty-funded research project led by Jorge Silvetti.

- Researched various digital visualization strategies for recording distinct phases of the project.

Teaching Assistant, Massachusetts Institute of Technology – Cambridge, MA, 2001-2002.
Assisted in the "Geometric Modeling" course, instructed by Takehiko Nagakura.

- Prepared course material, instructed lab sessions, gave office hours for graduate and undergraduate students.

Research Assistant, Istanbul Technical University – Istanbul, Turkey, 2000-2005.
Have been appointed research assistant to Istanbul Technical University by the Higher Education Council (YÖK) of Turkey.

- Received YÖK five-year grant for graduate studies in the United States.

Invited Critic, Massachusetts Institute of Technology

- Digital Heritage, Graduate Course Final Review, 2018-19
- Hackathon, "Design Tools of the Future: Immersive & Interactive," Media Lab, 2017.
- Master of Architecture, Graduate Thesis Reviews, 2013-19.

Invited Critic, Harvard University
Master of Architecture, Graduate Studio Review, 2010.

COURSES TAUGHT

Graduate Courses

- Architectural Design Futures – MBL 537E, Istanbul Technical University, 2020-present.
- Urban Design Studio II – ARC 521, University of Hartford, 2011-2017.
- Seminar on Advanced Architectural Topics – ARC 585, University of Hartford, 2011-2015.

- Advanced Studies in Computers – ARCH57011, University of Notre Dame, 2005-2008.
- Re:Visions: Recording Architecture – GSD2413, Harvard University, 2004.

Undergraduate Courses

- Architectural Design V – MIM351E, Istanbul Technical University, 2024
- AI in Architecture, Planning and Design – MYZ 306E, Istanbul Technical University, 2024
- Graduation Project – MIM 4902E, Istanbul Technical University, 2023-current
- Foundation Studios – TES112E, TES121E, TES122E, Istanbul Technical University, 2023
- Architectural Comp. Modeling and Rendering – AET 358, University of Hartford, 2011-2017.
- Digital Media and Portfolio Development – AET 473, University of Hartford, 2012-2017.
- Design Studio II – VI, AET 233-371, University of Hartford, 2011-2018.
- Design Studio VI – ARCH42121, University of Notre Dame, 2005-2008.
- Computer Graphics V – ARCH41011, University of Notre Dame, 2005-2008.

SERVICE

- Reviewer for the Archnet-IJAR: International Journal of Architectural Research, 2026
- Served at the doctoral student selection committee at İTÜ Faculty of Architecture, Jan 2025.
- Reviewer for the Gazi University Science Journal, 2024
- Served at the prestigious scientific committee for the Republic of Türkiye, "ULUSAL RİSK KALKANI - Akilli Sehirler Kapasite Gelistirme ve Rehberlik Projesi Referans Akilli Sehir Mimari Modelleri," T.C. Çevre ve Şehircilik Bakanlığı, Ankara, June 2021.
- Served at the Scientific Committee for the "Distributed Proximities," 40th Annual ACADIA Conference, Online, 2020.
- Reviewer for the 108th Annual ACSA Conference (Association of Collegiate School of Architecture), 2019
- Reviewer for TAD (Technology, Architecture + Design) Journal of the Association of Collegiate Schools of Architecture (ACSA), Taylor & Francis, 2019
- Supervised graduate students at Northeastern University's XN Program, to work on data visualizations for Arcbazar as part of their Data Analysis capstone projects, Boston, MA, 2019.
- Volunteering in consulting Glastonbury High School to develop a 20,000 sqf. new lab space for their STEAM education. Glastonbury, CT, 2019.
- Supervised graduate students at Northeastern University's XN Program, to work on an artificial intelligence driven price recommendation system for competition awards as part of their Data Analysis capstone projects, Boston, MA, 2018.
- Presented building information modeling and fabrication applications in architecture as part of the CETA open houses for prospective students, West Hartford, CT, 2018.
- Served at the Scientific Committee for the "Recalibration: on imprecision and infidelity," 38th Annual ACADIA Conference, Mexico City, 2018.
- Served at the Scientific Committee for the "Disciplines and Disruption Conference," 37th Annual ACADIA Conference, Cambridge, MA, 2017.
- Supervised graduate students on thesis projects, University of Hartford, 2017.
- Served on the Core Learning Outcomes Committee, University of Hartford, 2015-2017.
- Reviewed book proposal "Analogical Drawing" for Taylor and Francis Group, 2015.
- Served on thesis committee of Yi Hou, MIT M.Arch. student, 2015.
- Served on committee for "Gray Center Architectural Lab Renovations," University of Hartford, 2014.

- Served on Scientific Committee of "ICONARP International Journal of Architecture and Planning" Selçuk Universitesi, Konya, Turkey, 2014-present.
- Reviewed book proposal "Sharpen your pencils! The Art of Thematic Sketching: a Field Manual," for Taylor and Francis Group, 2013.
- Supervised MIT Sloan School of Management students – members of the MIT Consulting Group - during IAP period, 2012.
- Reviewed book proposal "Drawing as a Thinking Tool," for Routledge, 2012.
- Supervised MIT undergraduate and graduate students from the MIT Ventureships Program for the fall semester to work on Arcbazar, 2011.
- Set up fabrication laboratory at the department of architecture, University of Hartford, 2011.
- Advised 18 undergraduate students, 2011-2017.
- Reviewed book proposal "Architectural Drawing," for Laurence King Publishers, UK, 2009.

PRODUCT DEVELOPMENT & GRAPHIC DESIGN

- Developed Arcbazar.com's online internet platform, product features and modules, 2011-present. (US Patent Application #: US20150363849A1)
- Designed UI/UX for Arcbazar.com's website and its various interfaces, 2011-present.
- Designed cover pages for "Trends in Cancer" journal, Cell Press, Elsevier, 2015-2017.

MEMBERSHIPS

TMMOB - Turkish Chamber of Architects: 34169
NCARB - National Council of Architectural Registration Boards: 123788
ACADIA - Association for Computer Aided Design in Architecture

LANGUAGES

English (fluent), German (native), Turkish (native)