

# MEHMET EMİN BAYRAKTAR

Architect, PhD.

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## EDUCATION

- **Architectural Design Computing Ph.D.** 2021 / Istanbul Technical University / Graduate School of Science Engineering and Technology. Advisor: Prof.Dr. Gülen ÇAĞDAŞ
- **Architectural Design Computing M.Sc.** 2010 / Istanbul Technical University / Graduate School of Science Engineering and Technology. Advisor: Prof.Dr. Gülen ÇAĞDAŞ
- **Architecture B.Sc.** 2007, Istanbul Technical University / Faculty of Architecture.

## PRIMARY RESEARCH INTERESTS

- Architectural Design • Mobile Architectural Tools • Augmented Reality • Virtual Reality • Computational Architecture • Visualization & Rendering

## PUBLICATIONS

- *An Augmented Reality Based Mobile Environment for The Early Architectural Design Stage.* Virtual Aesthetics in Architecture : Designing in Mixed Realities, Chapter 7. Routledge. 2021. DOI: 10.4324/9781003183105-9
- *Massing Tall Buildings in A Mobile Environment,* Ph.D. Dissertation, Department of Informatics, Istanbul Technical University, 2020.
- *A Mobile Design Environment for Building Form Generation,* Journal of Design Studio 2.2. 2020.
- *An Augmented Reality Based Mobile Environment for The Early Architectural Design Stage,* Artificial Realities : Virtual As An Aesthetic Medium In Architectural Ideation, SCTEUL, Lisbon, Portugal. 2019.
- *Fuzzy Layout Planner: A simple layout planning tool for early stages of design* - eCaade 2013 - 31st International Conference on Education and research in Computer Aided Architectural Design in Europe - Delft University - Netherlands, 2013.
- *Interpretation of Space Using An Agent Based Design Tool,* VII. National Conference Series of Digital Design in Architecture: Architectural Design Creativity Entropy, Istanbul Technical University, 2013.
- *Space Configuration With User Movements: An Agent Based Design Tool,* M.Sc Thesis, Department of Informatics, Istanbul Technical University, 2010.

More detail on: <http://meminb.com/research>

## TEACHING

- DES2021, Instructor. Computer Aided Design I, Industrial Design Under Graduate Course, Bahçeşehir University, Faculty of Architecture & Design, Istanbul, 2021.  
**Topic:** 3D modelling via Rhinoceros to create and edit geometries.
- ARCH 103, Instructor, Information Technology for Architects, Under Graduate Course, Yeditepe University, Faculty of Architecture, Istanbul, 2021.  
**Topic:** Investigating graphics, geometries via 2D and 3D drawings through computer software.
- MIM 439, Co-Instructor, Computer Applications In Architecture, Under Graduate Course, Istanbul Technical University Faculty of Architecture, 2019.  
**Topic:** Using VR applications for design process.
- PEM 320E, Guest Lecturer, Computer Aided Landscape Architecture, Istanbul Technical University Faculty of Architecture, 2015.  
**Topic:** Visualization Techniques in Architecture.
- Organization Team, 7th International Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe 2009) - Istanbul, Turkey.

## AWARDS

- Çanakkale Municipality City Square Urban Design Project Competition, 2nd Mansion, Team Member, 2013.
- Gökçeada High School Campus Architectural Project Competition, Team Member, Honorable Mention, 2014.

## PRACTICE

- **Current:** Instructor at Bahçeşehir University.
- **Current:** mmnAD, Architectural Design, *founder*. 2017–present. More information on [www.mmnad.com](http://www.mmnad.com)
- IIMR, Architectural Visualization, co-founder, 2012–2015.
- Aytaç Architects, *design team*. 2010–2011.
- imgelem Architectural Visualization, 2008–2010.
- Von Mimarlık, *design team*. 2007–2008.