

## **Assoc. Prof. Ozan Önder Özener**

### **Personal Information**

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#### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: ABC-9411-2020

ScopusID: 57215965301

Yoksis Researcher ID: 148682

### **Biography**

**Ozan Önder Özener** is an Associate Professor of Architecture at the ITU School of Architecture. He teaches senior level design studios and classes focusing on design technology, urban transformation and innovation. Dr. Özener has multiple building projects and design competition awards. He also collaborates with architecture firms in Istanbul for improving process performance, sustainability and design quality in complex projects. Prior to his post at ITU, he worked as a Research Scholar at Texas A&M University CRS Center and TAMU-VizLab Visualization Laboratory. He has also held Visiting Professorships at Texas A&M University and Prairie View A&M University. His particular research interests include Design Technologies, BIM, Integrated Project Delivery, Interoperability in AEC, Parametric Modeling and Digital Design. Dr. Özener holds both B.Arch and M.Arch in Design Computing degrees from Istanbul Technical University and a Ph.D. degree from Texas A&M University, College of Architecture with a concentration in BIM and Virtual Design.

### **Education Information**

Associate Degree, Anadolu University, Open Education Faculty, Hukuk Bölümü/Adalet, Turkey 2016 - Continues  
Doctorate, Texas A&M University, Department Of Architecture, United States Of America 2004 - 2009

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık Anabilim Dalı, Turkey 2000 - 2003

Undergraduate, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey 1996 - 2000

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Studio Education for Integrated Practice Using Building Information Modeling, Texas A&M University, Department Of Architecture, 2009

Postgraduate, Siberuzay dokusu hipermetin mekan için etkileşimli bir ortam modeli, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mimarlık Anabilim Dalı, 2003

### **Research Areas**

Computer Sciences, Computer Graphics, Architecture, Building Information, Building Design, Architectural Design, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık, 2017 - Continues  
Associate Professor, Altınbas University, Faculty Of Engineering And Natural Sciences, Mimarlık, 2018 - 2021  
Associate Professor, Abdullah Gul University, Mimarlık Fakültesi, Mimarlık, 2017 - 2017  
Assistant Professor, Kadir Has University, Faculty Of Art And Design, İç Mimarlık, 2015 - 2017  
Assistant Professor, İstanbul Technical University, Mimarlık Fakültesi, Mimarlık, 2010 - 2017  
Assistant Professor, İstanbul Technical University, Bilişim Enstitüsü, Bilgi Teknolojileri, 2009 - 2017  
Assistant Professor, Bahçeşehir University, Faculty Of Architecture And Design, Mimarlık, 2014 - 2014  
Research Assistant, Texas A&M University, College Of Architecture, Department Of Architecture, 2004 - 2009  
Research Assistant, İstanbul Technical University, Bilişim Enstitüsü, Bilişim Uygulamaları Anabilim Dalı, 2001 - 2009  
Lecturer, Prairie View A&M University, School of Architecture, Architecture, 2008 - 2008

## Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mimarlık, 2011 - Continues  
İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mimari Tasarımda Bilişim, 2011 - Continues  
İstanbul Teknik Üniversitesi, Rektörlük, 2010 - 2012

## Jury Memberships

Competition, Yaşayan Pamukkale Ulusal Mimari Fikir Projesi Yarışması, Denizli Genç İş Adamları Derneği, March, 2019  
Competition, İzmir Elektrik Fabrikası Ne Olmak İster ?, TMMOB Mimarlar Odası İzmir Şubesi, February, 2019  
Competition, Sivas Kızılırmak ve Çevresi Ulusal Fikir Projesi Yarışması, Sivas Belediyesi, August, 2016  
Competition, Sivas Kızılırmak Köprüsü Ulusal Mimari Proje Yarışması, Sivas Belediyesi, April, 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. H-BIM applications for vernacular architecture: a historic rural house case study in Bursa, Turkey  
Savaskan M. O., Özener O. Ö.  
ENGINEERING CONSTRUCTION AND ARCHITECTURAL MANAGEMENT, vol.30, no.9, pp.3997-4017, 2023 (SCI-Expanded)
- II. Bewley Diagrams Revisited via Visualization  
Evrenosoglu C. Y., Abur A., AKLEMAN E., OEZENER O. O.  
IEEE TRANSACTIONS ON POWER SYSTEMS, vol.24, no.3, pp.1401-1407, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. Context-based learning for BIM: simulative role-playing games for strategic business implementations  
Özener O. Ö.  
Smart and Sustainable Built Environment, 2023 (ESCI)
- II. BIM-ENABLED LEARNING FOR BUILDING SYSTEMS AND TECHNOLOGY  
Meterelliyoz M. U., Özener O. Ö.

JOURNAL OF INFORMATION TECHNOLOGY IN CONSTRUCTION, vol.27, pp.1-19, 2022 (ESCI)

- III. Pamukkale Üniversitesi Mimarlık ve Tasarım Fakültesi Mimari Projesi  
ASLAN D., ÖZENER O. Ö., ÜNKAP Ö., ALKAŞ T., YILMAZ Ç., CÜCE B. C., BÜYÜKTOPÇU E.  
Mimarlık, vol.52, pp.38-39, 2016 (Peer-Reviewed Journal)
- IV. Mimarlık ve İnşaat Sektöründe YBM Odaklı Dönüşüm  
ÖZENER O. Ö., TEMİZ G.  
Ege Mimarlık, vol.26, pp.34-37, 2016 (Peer-Reviewed Journal)
- V. Downstream of design Lifespan costs and benefits of building information modeling  
CLAYTON M. J., JOHNSON R., VANEGAS J., ÖZENER O. Ö., NOME C. A., CULP C. E.  
Technical Report CRS Center Texas A&M University, 2009 (Non Peer-Reviewed Journal)
- VI. Utilizing customizable generative design tools in digital design studio Xp GEN experimental form generator  
PAK B., ÖZENER O. Ö., ERDEM A.  
INTERNATIONAL JOURNAL OF ARCHITECTURAL COMPUTING, vol.4, pp.21-33, 2006 (ESCI)
- VII. Interactive Rind Modeling for Architectural Design  
Özener O. Ö., Srinivasan V., Akleman E.  
INTERNATIONAL JOURNAL OF ARCHITECTURAL COMPUTING, vol.3, no.1, pp.93-106, 2005 (ESCI)
- VIII. Axial lines and crime relationship in central neighborhoods  
ÜNLÜ A., EDGÜ E., ÖZENER O. Ö., ÖZDEN A. T.  
A|Z ITU Journal of Faculty of Architecture, vol.1, pp.43-57, 2004 (Scopus)

## Books & Book Chapters

- I. Advances in Building Information Modeling  
Özener O. Ö. (Member Of Editors Board), Ofluoğlu S. (Member Of Editors Board), Işıkdaş Ü. (Member Of Editors Board)  
Springer Nature, Berlin, 2022
- II. Advances in Building Information Modeling  
Ofluoğlu S. (Editor), Özener O. Ö. (Editor), Işıkdaş Ü. (Editor)  
Springer, London/Berlin , Berlin, 2020
- III. Towards a New Studio Culture: Changing Minds, Transforming Education  
ÖZENER O. Ö., MEHMET ÜMİT M.  
in: Thresholds in Architectural Education, Nur Çağlar, Irene G. Curulli , İşıl Ruhi Sipahioğlu, Lazaros Mavromatidis, Editor, Wiley, Hoboken, pp.45-55, 2020
- IV. Trends of Building Information Modeling Adoption in the Turkish AEC Industry  
ÖZENER O. Ö., TEZEL E., KILIÇ Z. A., AKDOĞAN M.  
in: Advances in Building Information Modeling, Salih Ofluoğlu,Ozan Onder Ozener,Umit Isikdag, Editor, Springer, Berlin, pp.3-14, 2020
- V. Yapı Teknolojisi Eğitiminde YBM ve Pedagojik Potansiyeller  
METEREELLİYÖZ M. Ü., ÖZENER O. Ö.  
in: İmkansız Mekanlar Olanaksızın Olanağı, Arzu Gönenç Sorguç, Çağlar Fırat Özgenel, Müge Kruşa Yemişcioğlu, Editor, ODTÜ, Ankara, pp.239-247, 2017
- VI. Bornova Kent Bağı: Belediye Yeni Hizmet Binası  
Aslan D., Özener O. Ö., Büyüktopcu E., Yılmaz Ç., Cüce B. C., Alkaş T., Ünkap Ö.  
in: Bornova İçin Fikirler, Bornova Belediyesi, Editor, Bornova Belediyesi, İzmir, pp.16-30, 2016
- VII. Bornova Kent Bağı  
ASLAN D., ÖZENER O. Ö., ÖZLEM Ü., YILMAZ Ç., CÜCE B. C., BÜYÜKTOPÇU E., ALKAŞ T.  
in: Bornova İçin Fikirler, , Editor, Bornova Belediyesi, İzmir, pp.16-30, 2016
- VIII. Interactive Rule-Based Design  
Leandreau E., Özener O. Ö., Akleman E., Keyser J., Pak B.

in: Innovations in Design & Decision Support Systems in Architecture and Urban Planning, Jos P. Van Leeuwen, Harry J. P. Timmermans, Editor, Springer, London/Berlin , Dordrecht, pp.433-446, 2006

**IX. Interactive Rule-Based Design**

LANDRENEAU E., ÖZENER O. Ö., PAK B., AKLEMAN E., KEYSER J.

in: Innovations in Design Decision Support Systems in Architecture and Urban Planning, Jos P. Van Leeuwen, Harry J. P. Timmermans, Editor, Springer, Dordrecht, pp.433-445, 2006

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Kinetic Architecture and BIM Integration: A case study on a Bricard linkage canopy system**  
Kavuncuoglu C., Akgun Y., Özener O. Ö.  
40th Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2022, Ghent, Belgium, 13 - 16 September 2022, vol.1, pp.243-252
- II. **Kinetic Architecture and BIM: The State of Art and Future Visions**  
Akgün Y., Özener O. Ö.  
2nd Eurasian BIM Forum on Advances in Building Information Modeling, EBF 2021, İstanbul, Turkey, 11 - 12 November 2021, vol.1627 CCIS, pp.135-144
- III. **Trends of Building Information Modeling Adoption in the Turkish AEC Sector**  
Özener O. Ö., Tezel E., Kılıç Z. A., Akdoğan M.  
1st Eurasian BIM Forum (EBF2019), İstanbul, Turkey, 31 May 2019, pp.3-14
- IV. **Stüdyo Kültürü, Dönüşüm ve Praksis**  
Özener O. Ö.  
Mimarlık Okulları Bölüm Başkanları İletişim Grubu (MOBBİG), Kayseri, Turkey, 3 - 04 November 2017, pp.1
- V. **Yapı Teknolojisi Eğitiminde BIM ve Pedagojik Potansiyeller**  
Meterelliyyöz M. Ü., Özener O. Ö.  
XI.Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Ankara, Turkey, 14 - 15 June 2017, pp.239-247
- VI. **Yarışmalar ve Mimarlık Eğitimi Açısından Yeni Potansiyeller**  
Özener O. Ö., Aslan D., Büyüktopcu E.  
Yarışmalar ve Mimarlık Sempozyumu, İzmir, Turkey, 07 May 2016, pp.24-28
- VII. **Sürdürülebilir Yapı Üretimi için BIM Tabanlı Açık Kaynak Model Önerisi**  
SAVAŞKAN M. O., ÖZENER O. Ö.  
Green Age 2015-3rd International Greenage Symposium, İstanbul, Turkey, 15 - 17 April 2015
- VIII. **Integrated Education through BIM**  
Özener O. Ö.  
Turner Innovation Series - BIM Conference Istanbul, İstanbul, Turkey, 15 May 2012, pp.1
- IX. **Transformation of Housing Production through Building Information Modeling and Integrated Project Delivery**  
ÖZENER O. Ö., ERGEN PEHLEVAN E., HALIBURTON J.  
IAHS 38th IAHS World Congress on Housing, İstanbul, Turkey, 16 - 19 April 2012, pp.149
- X. **Signature Architecture Franchising Improving Average Architecture using BIM**  
CLAYTON M. J., ÖZENER O. Ö., JAMES T H., BEREKATI E.  
ACSA 100th Annual Meeting, Boston, United States Of America, 1 - 04 March 2012, pp.240-249
- XI. **Parametric Modeling and BIM Innovative Design Education For Integrated Building Practices**  
HALIBURTON J. T., CLAYTON M. J., ÖZENER O. Ö., FARIAS F.  
ACADIA Regional 2011 Conference, Lincoln, Nebraska, United States Of America, 10 - 12 March 2011, pp.243-249
- XII. **Towards Studio 21 Experiments in Design Education Using BIM**  
CLAYTON M. J., ÖZENER O. Ö., HALIBURTON J. T., FARIAS F.  
SIGRADÍ Congress Of The Iberoamerican Society Of Digital Graphics, Bogota, Colombia, 17 - 19 November 2010, pp.43-46
- XIII. **Incorporation Of Natural Lighting Analyses in the Design Studio Using BIM**

- ÖZENER O. Ö., FARIAS F., HALIBURTON J. T., CLAYTON M. J.  
 28th eCAADe Conference: Future Cities, Zürich, Switzerland, 15 - 18 September 2010, pp.493-498
- XIV. **Illuminating the Design Incorporation of natural lighting analyses in the design studio using BIM**  
 Özener O. Ö., Farias F., Haliburton J., Clayton M. J.  
 28th Conference on Education in Computer Aided Architectural Design in Europe (eCAADe), Zürich, Switzerland, 15 - 18 September 2010, pp.493-498
- XV. **Utilizing 4D BIM Models in The Early Stages Of Design**  
 ÖZENER O. Ö., JEONG W., HALIBURTON J. T., CLAYTON M. J.  
 28th eCAADe Conference: Future Cities, Zürich, Switzerland, 15 September 2010, pp.89-96
- XVI. **BIM to CAFM An Investigation of Adapting a Building Information Model to a Legacy Computer Aided Facility Management System**  
 CLAYTON M. J., ÖZENER O. Ö., NOME C. A.  
 CIB W78 26th International Conference on Managing IT in Construction, İstanbul, Turkey, 1 - 03 October 2009
- XVII. **A Qualitative Performance Model for the BIM Adoption in the AEC FM Industry**  
 ÖZENER O. Ö.  
 Design Computing and Cognition 2008, Atlanta, United States Of America, 23 - 25 June 2008
- XVIII. **Designing Symmetric High Genus Sculptures**  
 AKLEMAN E., ÖZENER O. Ö., YÜKSEL C.  
 Bridges Mathematical Connections in Art, Music, and Science, Londrina, United Kingdom, 21 - 24 April 2006
- XIX. **Two Methods for Travelling Wave Visualization in Multi Phase Power Systems Painted Transients and Animated Pipes**  
 EVRENOSOĞLU C. Y., AKLEMAN E., ÖZENER O. Ö., ABUR A.  
 International Conference on Power Systems Transients, Montreal, Canada, 19 - 23 June 2005
- XX. **Interactive Inverted Perspective Rendering for Architectural Visualization**  
 SRINIVASAN V., ÖZENER O. Ö., AKLEMAN E.  
 CAAD Futures 2005 Learning From The Past - A Foundation For The Future, Viyana, Austria, 20 - 22 June 2005, pp.21-30
- XXI. **An Interactive Tool for Modeling Frame Structures**  
 SRINIVASAN V., MANDAL E., AKLEMAN E., ÖZENER O. Ö.  
 CAAD Futures 2005 Learning From The Past-A Foundation For The Future, Viyana, Austria, 20 - 22 June 2005
- XXII. **Caricaturing Buildings for Effective Visualization**  
 RICE G. G., AKLEMAN E., ÖZENER O. Ö., ASMA N.  
 22nd eCAADe Conference: Architecture in the Network Society, Kopenhag, Denmark, 15 - 18 September 2004, pp.222-227
- XXIII. **Smooth Fractal Polyhedra A Vertex Truncation Subdivision Scheme to Create Intriguing Polyhedra**  
 AKLEMAN E., EDMUNSON P., ÖZENER O. Ö.  
 Bridges2004 : Mathematical Connections in Art, Music, and Science, Winfield, United States Of America, 30 July - 01 August 2004, pp.117-125
- XXIV. **Xp GEN A randomized design tool for nondeterministic digital design methods in architecture and visual design**  
 PAK B., ÖZENER O. Ö., ERDEM A.  
 21st eCAADe Conference:Digital Design, Graz, Austria, 17 - 20 September 2003, pp.485-488
- XXV. **Üniversite Web Sayfalarında Tasarım ve İçerik Yönetimi**  
 ÖZENER O. Ö., PAK B.  
 V. Akademik Bilişim Konferansı, Adana, Turkey, 3 - 05 February 2003
- XXVI. **Mimari Etkinlik Alanı Olarak Internet ve Yeni Perspektifler**  
 ÖZENER O. Ö., PAK B.  
 i-net-tr, VIII. Türkiye'de Internet Konferansı, İstanbul, Turkey, 19 - 21 December 2002
- XXVII. **Fluxxoid v 4 1 the liquified being of space**  
 ÖZENER O. Ö., PAK B., ERDEM A.  
 20th eCAADe Conference: Connecting the Real and the Virtual, Varşova, 18 - 20 September 2002, pp.556-559

- XXVIII. An evaluation of social interactive spaces in a university building  
ÜNLÜ A., ÖZENER O. Ö., ÖZDEN A. T., EDGÜ E.  
3rd International Space Syntax Symposium, Atlanta, United States Of America, 7 - 11 May 2001
- XXIX. Internet Tabanlı Veri Paylaşımı ve Tasarımçı Yüklenici ve Kullanıcı Üçgeni  
ÖZENER O. Ö.  
inet-tr, V. Türkiye'de Internet Konferansı, Turkey, 19 - 21 November 1999

## Supported Projects

Özener O. Ö., Project Supported by Higher Education Institutions, Bina Bilgi Modelleme (BIM) Teknolojilerinin İnşaat Sektöründeki Potansiyellerinin Değerlendirilmesi, 2014 - 2016

## Activities in Scientific Journals

International Journal of Digital Innovation in the Built Environment, Committee Member, 2019 - Continues

## Memberships / Tasks in Scientific Organizations

Mimarlık Akreditasyon Kurulu, Member, 2017 - Continues

Mimarlar Odası, Member, 2013 - Continues

## Scientific Refereeing

International Journal of Digital Innovation in the Built Environment, Other Indexed Journal, March 2020  
INTERNATIONAL JOURNAL OF BUILDING PATHOLOGY AND ADAPTATION, Journal Indexed in SCI-E, November 2019  
International Journal of 3-D Information Modeling (IJ3DIM), Other Indexed Journal, April 2019  
Iconarp International Journal of Architecture and Planning, Other Indexed Journal, February 2019  
Journal of Computing in Civil Engineering, SCI Journal, April 2013

## Scientific Consultations

Altınbaş Üniversitesi, Scientific Consultancy, İstanbul Teknik Üniversitesi, Mimarlık Fakültesi, Mimarlık, Turkey, 2019 - Continues

## Metrics

Publication: 48  
Citation (WoS): 1  
Citation (Scopus): 9  
H-Index (WoS): 1  
H-Index (Scopus): 2

## Congress and Symposium Activities

Altınbaş Üniversitesi Mimarlık Seminerleri, Invited Speaker, İstanbul, Turkey, 2019  
e-FIADE Seminar I: Thresholds in Architectural Education, Invited Speaker, İstanbul, Turkey, 2018

## **Scholarships**

Academic Excellence Scholarship, University, 2006 - Continues

Academic/Doctoral Scholarship, Official Institutions of Foreign Countries, 2005 - Continues

Yurtdışı Doktora Bursu, YOK, 2004 - Continues

İTÜ Vakfı Bursu, Foundation, 1998 - Continues

## **Non Academic Experience**

Other Public Institution, İskenderun Deniz Üssü

Deniz Kuvvetleri Komutanlığı İskenderun Deniz Üssü