

Asst. Prof. ERDEM YILDIRIM



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International Researcher IDs

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ORCID: 0000-0002-8829-5274

Publons / Web Of Science ResearcherID: AAC-7463-2019

Yoksis Researcher ID: 144059

Education Information

Doctorate, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey 2009 - 2019

Postgraduate, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey 2005 - 2009

Undergraduate, Izmir Institute Of Technology, Faculty Of Architecture, Department Of Architecture (English), Turkey 2000 - 2004

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

IT, Oda'da YaZ Vakti, Chamber of Architects, 2024

Dissertations

Doctorate, Yaya davranışlarının algoritmik yaklaşımla analizi ve tasarıma aktarılması, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2019

Postgraduate, Foto-mekan, foto-hikaye, foto-duvar: Le Corbusier mimarlığı ve onun fotografik temsili, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2009

Research Areas

algorithms, Augmented Reality, Virtual Reality, 3D Impressions, Computer Vision, Artificial Intelligence, Computer

Learning and Pattern Recognition, Computer Learning, Evolutionary Computing, Neural Networks, Architecture, Architectural Aesthetics, Building Design, Architectural Design

Academic Titles / Tasks

Assistant Professor, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2023 - Continues
Research Assistant PhD, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2019 - 2023
Research Assistant, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2005 - 2019

Courses

Bilgisayar Destekli Çizim, Undergraduate, 2019 - 2020

Grafik İletişim II, Undergraduate, 2019 - 2020

Mimari Tasarıma Giriş, Undergraduate, 2019 - 2020

MİM 2902 MİMARİ MEKANIN TEMEL BİLEŞENLERİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Mim2501 Mimari tasarım I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Mim 1514 Bilgisayar Destekli Çizim, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

Mim4502 Mimari tasarım VI, Undergraduate, 2017 - 2018, 2016 - 2017

Articles Published in Other Journals

- I. **Comparison of Shape Grammar Utilization in Basic Design Studio: Manual Techniques vs. Parametric Software in Emulation of Natural 2D Patterns**
YILDIRIM E.
ONLINE JOURNAL OF ART AND DESIGN, vol.12, no.2, pp.87-96, 2024 (Peer-Reviewed Journal)
- II. **Opti-Waffle: A Technological Furniture Design and Manufacturing Model**
YILDIRIM E.
Black Sea Journal of Engineering and Science, vol.6, no.4, pp.589-599, 2023 (Peer-Reviewed Journal)
- III. **Yapay Karşılaşma: Le Corbusier ve Parametrisizm**
YILDIRIM E.
Yapı, no.482, pp.20-24, 2022 (Peer-Reviewed Journal)
- IV. **A.I.'s Vision of Future Cities**
Yıldırım E.
Urbanizm, no.27, pp.60-71, 2022 (Peer-Reviewed Journal)
- V. **Yumuşak Zemin Tasarımında Algoritma Kullanımı: Bornova Cumhuriyet Meydanı Örneği**
YILDIRIM E., GÖKMEN H.
Ege Mimarlık, no.102, pp.54-59, 2019 (Peer-Reviewed Journal)
- VI. **Kamusağlık: Bornova'xxda Sağlık Hizmetlerini Destekleyici Nitelikte Karma İşlevli Kamusal Odak Tasarımı**
TÜRKSEVEN DOĞRUSOY İ., DOKGÖZ G. D., Küçük A., YILDIRIM E., AKGÜL R.
BİF Bornova İçin Fikirler, vol.1, no.3, pp.1-52, 2017 (Non Peer-Reviewed Journal)
- VII. **Canlanmalar Bedenle Öğrenme Deneyi**
Akdemir Z., Türkseven Doğrusoy İ., Özkaymakçı H., Altun T. D., Yıldırım E., Gülay Taşçı B.
Arredamento Mimarlık, no.233, pp.120-123, 2010 (Peer-Reviewed Journal)
- VIII. **Questioning Communication in Architectural Education**

Zengel R., Arıtan Ö., Yıldırım E., Güller E.

Egemimarlık, vol.3, no.66, pp.34-36, 2008 (Peer-Reviewed Journal)

IX. İzmir İçin Yeni Bir Kamusal Mekan Yaklaşımı Arayışındaki Bir Stüdyo Deneyiminden Kente ve Mimarlığa Yönelik Çıkarımlar

TÜRKSEVEN DOĞRUSOY İ., KAYIN E., HACIALİBEYOĞLU F., YILDIRIM E.

Ege Mimarlık, vol.18, no.66, pp.37-39, 2008 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Evolving Spaces: 18-Year Post-Occupancy Evaluation of a Kindergarten in İzmir**
YILDIRIM E.
in: International Theory, Research and Reviews in Architecture, Planning and Design, , Editor, Serüven, Ankara, pp.35-56, 2023
- II. **Mimarlıkta Yapay Zeka**
YILDIRIM E.
in: Dijital Dönüşüm ve Değişen Uygulamalar, Ahmet Özen, Muhammet Damar, Editor, Efe Akademi, İstanbul, pp.561-578, 2023
- III. **Text-to-Image Generation A.I. in Architecture**
Yıldırım E.
in: Art and Architecture: Theory, Practice and Experience, Kozlu,Hale, Editor, Livre de Lyon, Lyon, pp.97-120, 2022
- IV. **TOPOLOGY OPTIMIZATION IN ARCHITECTURE PRACTICES**
Yıldırım E.
in: RESEARCH & REVIEWS IN ARCHITECTURE, PLANNING AND DESIGN, Biçer Özlem Parlak,Gürani F. Yeşim, Editor, Gece Kitaplığı, Ankara, pp.117-137, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Mimarlıkta Temel Tasarım Eğitimine Görsel Kodlama ve Güncel Sayısal Tekniklerin Entegrasyonu: Bir Stüdyo Denemesi**
YILDIRIM E., ARPAK A.
XVIII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Balıkesir, Turkey, 13 June 2024
- II. **A Crisis In Education: Navigating The Technological Abyss In Architectural Design Studio**
YILDIRIM E.
2. International Cankaya Scientific Studies Congress, Ankara, Turkey, 28 - 29 September 2023, vol.1, pp.605-611
- III. **Text To Image Artificial Intelligence In A Basic Design Studio: Spatialization From Novel**
YILDIRIM E.
Isarc 4. International Scientific Research And Innovation Congress, İstanbul, Turkey, 24 - 25 December 2022, vol.1, pp.453-462
- IV. **Comparison Of Parametric And Conventional Methods In Pattern-Based Shell Design Within The Scope Of Architecture Pedagogy**
YILDIRIM E.
Isarc 4. International Scientific Research And Innovation Congress, İstanbul, Turkey, 24 - 25 December 2022, vol.1, pp.440-452
- V. **TOPOLOGY OPTIMIZATION METHOD FOR INTRODUCTION TO ARCHITECTURE COURSE**
Yıldırım E.
3. INTERNATIONAL DİCLE SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Diyarbakır, Turkey, 26 November 2022, vol.1, pp.1853-1864
- VI. **Comparison of Parametric and Conventional Methods in Architectural Design Studio 102**
Yıldırım E.

1st International Conference on Innovative Academic Studies, Konya, Turkey, 10 - 13 September 2022, pp.314

VII. Algoritmik Kamusal Yeşil Alan Tasarımı

YILDIRIM E., GÖKMEN H.

2. Uluslararası Mimarlık ve Tasarım Kongresi, 11 - 12 October 2018

Supported Projects

Altun T. D., Yildirim E., Project Supported by Higher Education Institutions, 3D Sketch Modeling in Virtual Reality for Architectural Concept Design, 2018 - 2021

Design

Yıldırım E., Pöğün E., Rauf Denктаş Anıtı ve Müzesi, Building Design / Architectural Project, June 2014

Metrics

Publication: 23

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1

Invited Talks

The Music of Architecture, Workshop, Art & Collages, Turkey, April 2021

Parametric Design in Architecture, Seminar, Chamber of Architects Aydın, Turkey, October 2019

Architecture Design Summit 2019, Conference, Architecture Design Summit, Turkey, September 2019

Awards

Pöğün E., Yildirim E., Halıcı S. M., Municipality Building Competition, Purchase, Uşak Belediyesi, July 2013

Pöğün E., Yildirim E., Chamber of Commerce Building Competition, Purchase, Mersin Ticaret Odası, May 2012

Yildirim E., Durukan Ç., Sağat M., Gökdoğan Y. M., Afyon Cumhuriyet Square Urban Design Competition, Purchase, Afyonkarahisar Belediyesi, November 2011

Yıldırım E., Turkish Architecture Photography Contest, Exhibition, Mimarlar Derneği, December 2010

Yıldırım E., Cultural Wealth of Karşıyaka Photography Competition, Exhibition, Karşıyaka Belediyesi, August 2010

Yıldırım E., Turkish Architecture Photography Contest, Exhibition, Mimarlar Derneği, December 2009

Yıldırım E., Çakıroğlu T., Ziyapaşa District Urban Design Competition, Purchase, Adana Büyükşehir Belediyesi, August 2008

Yıldırım E., Kemeraltı Fotoğraf Yarışması, 1st Prize, Konak Belediyesi, February 2008

Yıldırım E., Kaya C., Balıkesir Çamlık Urban Design and Architectural National Competition, Purchase, Balıkesir Municipality Building Architectural Competition, June 2006

Kaya C., Yildirim E., Can I., Durmaz B., İzmir Konak Municipality Uzundere Recreation Valley Project Competition, Mention, Konak Municipality, June 2006

Yıldırım E., S.O.S. İstanbul, Equivalent Award, İstanbul Serbest Mimarlar Derneği, March 2006

Artistic Activity

YILDIRIM E., Mimaride Aksonometrik, İzometrik Görünüm Atölyesi, November 2017

YILDIRIM E., Kentsel Sert Zeminlerin Yeşillenmesi, October 2017

YILDIRIM E., FotoMARATON 2011, September 2011

YILDIRIM E., FotoMARATON, October 2009

YILDIRIM E., Örüntü, October 2009