

Assoc. Prof. Sevil Yazıcı

Personal Information

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Education Information

Doctorate, Istanbul Technical University, Mimarlık, Turkey 2009 - 2013

Postgraduate, Architectural Association School of Architecture, Mimarlık, United Kingdom 2004 - 2006

Undergraduate, Istanbul Technical University, Mimarlık, Turkey 1999 - 2003

Research Areas

Performance Modelling and Evaluation, Numerical Algorithms, Computer Graphics, Building Design, Architectural Design, Building materials

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Mimarlık, Mimarlık, 2021 - Continues

Assistant Professor, Istanbul Technical University, Mimarlık, Mimarlık, 2020 - 2021

Assistant Professor, Ozyegin University, Faculty Of Aechitecture And Design, 2013 - 2020

Advising Theses

Yazıcı S., Strüktürel Tasarım Sistemlerine Dayalı Hesaplamalı Form Bulma Süreçleri , Postgraduate, H.Kadioğlu(Student), Continues

Yazıcı S., Digital Crafting driven by Performative Materials, Postgraduate, Z.Candar(Student), Continues

Jury Memberships

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, December, 2020

Post Graduate, Post Graduate, Özyeğin Üniversitesi, May, 2020

Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, December, 2019

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, December, 2019

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, May, 2019

Award, British Council UK Alumni Awards, British Council, March, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, September, 2018

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, July, 2018

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, June, 2018

Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, May, 2018

Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, May, 2018

Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, May, 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **THE PERFORMANCE-BASED INTERLINKED MODEL (PBIM) IN ARCHITECTURAL DESIGN: EXCHANGING ENVIRONMENTAL, STRUCTURAL AND SPATIAL PARAMETERS IN THE EARLY DESIGN STAGE**
Yazıcı S.
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.38, no.1, pp.23-52, 2021 (Journal Indexed in AHCI)
- II. **Material-based computational design (MCD) in sustainable architecture**
Yazıcı S., Tanaçan L.
Journal of Building Engineering, vol.32, 2020 (Journal Indexed in SCI)
- III. **Rule-based rationalization of form: learning by computational making**
Yazıcı S.
International Journal of Technology and Design Education, vol.30, pp.613-633, 2020 (Journal Indexed in SCI)
- IV. **A study towards interdisciplinary research: a Material-based Integrated Computational Design Model (MICD-m) in architecture**
Yazıcı S., Tanaçan L.
ARCHITECTURAL SCIENCE REVIEW, vol.61, pp.68-82, 2018 (Journal Indexed in AHCI)

Articles Published in Other Journals

- I. **Computational Design Informed by Natural Systems**
Yazıcı S.
Journal of Computational Design, vol.1, no.3, pp.1-16, 2020 (International Refereed University Journal)
- II. **Building in Extraterrestrial Environments: T-Brick Shell**
Yazıcı S.
JOURNAL OF ARCHITECTURAL ENGINEERING, vol.24, no.1, 2018 (Journal Indexed in ESCI)
- III. **A parametric landscape urbanism method: The search for an optimal solution**
Yazıcı S.
A/Z ITU Journal of the Faculty of Architecture, vol.13, no.3, pp.155-165, 2016 (Refereed Journals of Other Institutions)
- IV. **Computing through holistic systems design method: material formations workshop**
Yazıcı S.
Dearq Journal of Architecture, no.9, pp.90-101, 2011 (International Refereed University Journal)
- V. **Malzeme Zekâsı ile Mekânı Kurgulama**
Yazıcı S.
Mimarlıkta Malzeme, no.15, pp.53-63, 2010 (Other Refereed National Journals)
- VI. **Yenilikçi Malzeme Sistemleri**
Yazıcı S.
Mimarlıkta Malzeme, no.14, pp.42-48, 2009 (Other Refereed National Journals)

Books & Book Chapters

- I. **Computational Design in Architecture, 15th National Symposium**
Çağdaş G. (Editor), Özkar Kabakçoğlu M. (Editor), Gül L. F. (Editor), Alaçam S. (Editor), Gürer E. (Editor), Yazıcı S. (Editor), Delikanlı B. (Editor), Çavuş Ö. (Editor), Kırdar G. (Editor)

İstanbul Teknik Üniversitesi Yayınları, İstanbul, 2021

II. Dijital Çağda Mimari Tasarıma İlişkin Fikri Hakların Korunması

Yazıcı S.

in: Hukuk ve Sanat, Yener Ünver, Özlem Yenerer Çakmut, Editor, Seçkin Yayıncılık, Ankara, pp.733-743, 2019

III. IX. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu: Sürdürülebilir Sayısal Ekolojiler

Yazıcı S. (Editor), Akoğlu C. (Editor), Özbil Torun A. (Editor), Tekçe I. (Editor), Bayazitoğlu Ü. C. (Editor)

Özyeğin Üniversitesi Yayınları, İstanbul, 2015

Refereed Congress / Symposium Publications in Proceedings

I. A machine-learning model driven by geometry, material and structural performance data in architectural design process

Yazıcı S.

38th eCAADe (Education and research in Computer Aided Architectural Design in Europe), Berlin, Germany, 16 - 17 September 2020, vol.1, pp.411-418

II. Prototyping Generative Architecture: Experiments on Multi-Agent Systems, Environmental Performance and 3D Printing

Yazıcı S., Gerber D. J.

8.ASCAAD (Arab Society for Computer Aided Architectural Design) Conference, London, United Kingdom, 7 - 08 November 2016, pp.145-153

III. Mimarlık ve Teknoloji Arakesitinde Sayısal Araçlar: Sayısal Araçların Mimari Tasarım Süreci ile Bütünleştirilmesi

Yazıcı S.

Mimari Tasarım Araştırmaları Ulusal Sempozyumu: 21. Yüzyıl, İstanbul, Turkey, 16 - 17 April 2015, pp.208-219

IV. Doğal Sistemlerden Öğrenmek: Parametre, Kural ve İlişkiler

Yazıcı S.

9. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, İstanbul, Turkey, 25 - 26 June 2015, pp.144-155

V. A Course on Biomimetic Design Strategies

Yazıcı S.

33rd International Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe), Vienna, Austria, 16 - 18 September 2015, pp.111-118

VI. Malzeme Biçim ve Başarım Tabanlı Bir Yazılım Geliştirme

Yazıcı S., Tanaçan L.

8.Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, İzmir, Turkey, 26 - 27 June 2016, pp.279-288

VII. Efficiency in Architectural Geometry Informed by Materials

Yazıcı S.

32nd International Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe), Newcastle-Upon-Tyne, United Kingdom, 10 - 12 September 2014, pp.547-554

VIII. Doğal Sistemlerdeki Optimizasyon Süreçleri ve Malzeme Üzerinden Hesaplamalı Morfogenez

Yazıcı S., Tanaçan L.

7.Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, İstanbul, Turkey, 27 - 28 June 2013, pp.179-188

IX. Performance Based Pavilion Design A dialogue between environmental and structural performance

Yazıcı S.

31st International Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe), Delft, Netherlands, 18 - 20 September 2013, pp.127-135

X. Material in Performance driven Architectural Geometry

Yazıcı S., Tanaçan L.

100. Association of Collegiate Schools of Architecture (ACSA) Meeting, Digital Aptitudes Conference, Massachusetts, United States Of America, 1 - 04 March 2012, pp.266-273

Supported Projects

Yazıcı S., Project Supported by Higher Education Institutions, Hesaplamalı Malzeme Tasarımında Mikrostrüktürün Mimari Tasarımla İlişkilendirilmesi, 2021 - Continues

Patent

Tanaçan L., Yazıcı S., Mimarlıkta Malzeme Tabanlı Bütünleşik Hesaplamalı Tasarım Modeli, Patent, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: 2014/00551 , Initial Registration, 2018
Chima J. S. , Leung E. H. C. , Nikolakaki S., Yazıcı S., Intelligent Bi-stable Structure System, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: GB2445572 , Registration in Multiple Countries, 2009

Activities in Scientific Journals

JCoDe: Journal of Computational Design, Committee Member, 2020 - Continues

Scientific Refereeing

the International Journal of Digital Innovation in the Built Environment (IJDIBE), Other Indexed Journal, April 2021
XV. mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Conference Paper (Abstract), April 2021
39th eCAADe Conference: Education and Research in Computer Aided Architectural Design in Europe, Conference Paper (Full Text), April 2021
OPEN HOUSE INTERNATIONAL, Journal Indexed in AHCI, March 2021
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, November 2020
Journal of Design Studio, Other Indexed Journal, October 2020
38th eCAADe Conference: Education and Research in Computer Aided Architectural Design in Europe, Conference Paper (Full Text), May 2020
XIV. mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Conference Paper (Abstract), March 2020
Project Supported by Public Organizations in Other Countries, Einstein Foundation Berlin, Germany, June 2019
XIII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Conference Paper (Abstract), March 2019
eCAADe (Education and Research in Computer Aided Architectural Design in Europe) and SIGraDi (Sociedad Iberoamericana de Gráfica Digital) 2019, Conference Paper (Abstract), March 2019
CAAD Futures Conference, Daejeon / Korea, Conference Paper (Full Text), February 2019
ARCHITECTURAL SCIENCE REVIEW, Journal Indexed in AHCI, April 2018
XII. mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Conference Paper (Abstract), March 2018
SIGraDi (Sociedad Iberoamericana de Gráfica Digital) 2017, Conference Paper (Abstract), May 2017
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, April 2017
XI. mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Conference Paper (Abstract), March 2017
SIGraDi (Sociedad Iberoamericana de Gráfica Digital) 2016, Conference Paper (Abstract), May 2016
X. mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Conference Paper (Abstract), March 2016
IX. mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Conference Paper (Abstract), March 2015
Mimari Tasarım Araştırmaları Ulusal Sempozyumu: 21. Yüzyıl, Conference Paper (Abstract), February 2015
SIGraDi (Sociedad Iberoamericana de Gráfica Digital) 2014, Conference Paper (Abstract), May 2014

Tasks In Event Organizations

Yazıcı S., XV. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Scientific Congress, İstanbul, Turkey, Haziran 2021
Yazıcı S., IX. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Scientific Congress, İstanbul, Turkey, Haziran 2015
Yazıcı S., MİTA-2015 "Mimari Tasarım Araştırmaları: 21. Yüzyıl" Ulusal Sempozyumu, Scientific Congress, İstanbul, Turkey, Nisan 2015

Scientific Research / Working Group Memberships

Codenetwork: Türkiye Hesaplamalı Tasarım Araştırmaları Ve Eğitimi Ağı, Istanbul Technical University, Turkey, <http://www.codenetwork.info/>, 2016 - Continues

Edit Congress and Symposium Activities

Busan International Architectural Culture Festival, Working Group, Busan, South Korea, 2015

Citations

Total Citations (WOS):7

h-index (WOS):2

Invited Talks

Methods, Models and Applications in Material-based Computational Design, Seminar, THE AMERICAN UNIVERSITY IN CAIRO, Egypt, April 2021

Disiplinler Arası Araştırmalar ve Fikri Hakların Korunumu: Mimarlıkta Malzeme-tabanlı Bütünleşik Hesaplamalı Tasarım Modeli Örneği, Seminar, İstanbul Teknik Üniversitesi, Turkey, May 2018

Material-Based Integral Computational Design, Conference, İhsan Doğramacı Bilkent Üniversitesi, Turkey, December 2012

Scholarships

Architectural Association Graduate School Bursary, University, 2004 - 2006

Von Gerkan & Marg und Partners, Berlin Office, Internship Scholarship, Official Institutions of Foreign Countries, 2002 - 2002

Awards

Yazıcı S., Gold Medal: Design and Manufacturing Method for a Building System in Regards to Structural and Environmental Factors, Türkpatent, October 2018

Yazıcı S., Gold Medal: Design and Manufacturing Method for a Building System in Regards to Structural and Environmental Factors, China Association Of Inventions, September 2018

Yazıcı S., UK Alumni Awards / Professional Achievement Award, Turkey, British Council, March 2016

Yazıcı S., Best PhD Dissertation Award, İstanbul Teknik Üniversitesi, May 2014

Yazıcı S., 1st Prize (Zaha Hadid Architects Project Team) / Kral Abdullah II Art and Culture House Competition Project, Amman Büyükşehir Belediyesi, June 2008

Yazıcı S., 1st Prize (Zaha Hadid Architects Project Team) / Kartal-Pendik Masterplan Competition Project, İstanbul
Büyükşehir Belediyesi, March 2006

Non Academic Experience

Company, Zaha Hadid Architects