

## Asst. Prof. Sevil Yazıcı

### Personal Information

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### Education Information

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

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

Under Graduate, 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

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

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

### Professional Experience

Architect, Zaha Hadid Architects, 2006 - 2009

### Advising Theses

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

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

### Jury Memberships

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

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

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

Doctoral Examination, Doctoral Examination, 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. **Material-based computational design (MCD) in sustainable architecture**  
Yazıcı S., Tanaçan L.  
Journal of Building Engineering, vol.32, 2020 (Journal Indexed in SCI Expanded)
- II. **Rule-based rationalization of form: learning by computational making**  
Yazıcı S.  
International Journal of Technology and Design Education, 2019 (Journal Indexed in SCI Expanded)
- III. **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. **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
- II. **IX. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu: Sürdürülebilir Sayısal Ekolojiler**

## 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

## Patent

Tanaçan L., Yazıcı S., Mimarlıkta Malzeme Tabanlı Bütünleşik Hesaplamalı Tasarım Modeli, Patent, CHAPTER E Constructed Constructions (Construction), 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, Registration in Multiple Countries, 2009

## Activities in Scientific Journals

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

## Scientific Refereeing

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., XI. 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

## Invited Congress and Symposium Activities

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

## Citations

Total Citations (WOS):5

h-index (WOS):2

## 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