

Asst. Prof. NEVZAT ÖMER SAATCIOĞLU

Personal Information

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Biography



N. Ömer Saatcioğlu is an Assistant Professor at Istanbul Gelisim University (IGU), Faculty of Engineering and Architecture, Department of Architecture. Saatcioğlu completed his education at Eastern Mediterranean University (EMU), Department of Architecture. He earned his master's degree from Istanbul Technical University, Institute of Science and Technology, Building Science Program with his master's on "Ecological Building Systems: Straw Bale Construction Systems (2001)". He obtained his PhD degree with his thesis titled "Simplicity and Complexity in Architecture (2012)" in the Architectural Design Program of the Institute of Science and Technology (ITU).

N. Ömer Saatcioğlu played an important role in the design and construction of Turkey's first load-bearing straw bale building in Cumhuriyetköy, Istanbul. Saatcioğlu has several papers, international presentations, and 6 patents; 2 of which are registered internationally 1 nationally, on straw bale construction and energy efficiency. His aim is to develop innovative and environmentally friendly straw bale panel designs suitable for the country's conditions.

Saatcioğlu was a Visiting Researcher at the Center for Innovative Construction Materials (BRE CICM), Department of Architecture and Civil Engineering, University of Bath, UK (2018). He performed tests on a new straw wall system he invented and prototyped. He has ongoing research on "breathing wall systems" that can be integrated with straw wall systems.

Saatcioğlu's main research interests are straw bale design, green building systems and technologies, sustainability, ecological construction systems, ecological building materials, and "simplicity and complexity" in architecture.

Asst.Prof. Dr.

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Education Information

Post Doctorate, The University of Bath, BRE-Center for Innovative Construction Materials, Department of Architecture and Civil Engineering, "Research Fellow Position" with TÜBİTAK 2229-Post-Doc grant, England 2017 - 2018

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimari Tasarım (Dr), Turkey 2001 - 2012

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Bilgisi (YI) (Tezli), Turkey 1997 - 2000

Undergraduate, Eastern Mediterranean University, Mimarlık Fakültesi, Cyprus (Kktc) 1992 - 1997

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Mimari biçimlenişte "Yalnlık ve Karmaşıklık" kavramlarının değerlendirilmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimari Tasarım (Dr), 2011

Postgraduate, Ekolojik Yapı Sistemleri - Saman Balyası Yapım Sistemleri, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık, 2001

Research Areas

Architecture, Building Information, Building Design, Architectural Design, Structural elements, Building materials

Academic Titles / Tasks

Assistant Professor, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, ARCHITECTURE, 2022 - Continues

Assistant Professor, Istanbul Kultur University, Mimarlık Fakültesi, Mimarlık, 2012 - 2022

Research Assistant, Istanbul Kultur University, Mimarlık Bölümü, 2000 - 2012

Academic and Administrative Experience

İKÜ Koordinatörü- İKÜ-SAMDAQI-Uluslararası Joint Diploma Eğitim İşbirliği anlaşması-İKÜ-Semer kand, Istanbul Kultur University, 2022 - 2022

TPDB Ön-Kuluçka Merkezi-İKÜ Koordinatörü, Istanbul Kultur University, Ön Kuluçka Merkezi, 2022 - 2022

1.Sınıf Mimarlık, Mimari Tasarım I-II Koordinatörü, Istanbul Kultur University, Mimarlık Fakültesi, 2016 - 2022

Maket Atölyesi Koordinatörü, İstanbul Kültür University, Mimarlık Fakültesi, 2005 - 2022
Faculty Board Member, İstanbul Kültür University, Mimarlık Fakültesi, Mimarlık, 2019 - 2021
Danışma Kurulu Üyesi, İstanbul Kültür University, Teknoloji Transfer Ofisi, Ön Kuluçka Merkezi, 2014 - 2017

Courses

Arc0005-6-7 Architectural Design V-VI-VII, Undergraduate, 2020 - 2021
Mim0005 Mimari Tasarım V, Undergraduate, 2020 - 2021
Arc004-5 Architectural Design IV-V, Undergraduate, 2020 - 2021
Arc0147 Solar Decathlon, Undergraduate, 2020 - 2021
MimD0001 Araştırma Projesi I, Doctorate, 2020 - 2021
Arc2030/0147 Concepts of Architecture, Undergraduate, 2020 - 2021
Arc0080 Graduation Project, Undergraduate, 2020 - 2021
MimY0111 Mimarlıkta Güncel Kavramlar, Postgraduate, 2020 - 2021
MimD0002 Araştırma Projesi II, Doctorate, 2020 - 2021
Mim0147 Güneş Dekatlonu, Undergraduate, 2020 - 2021
Mim0006-7 Mimari Tasarım VI-VII, Undergraduate, 2020 - 2021
Mim2030/0147 Mimarlık Kavramları, Undergraduate, 2020 - 2021
Mim0002 Mimari Tasarım II, Undergraduate, 2019 - 2020, 2014 - 2015
Mim2030 Mimarlık Kavramları, Undergraduate, 2019 - 2020
Arc2030 Concepts of Architecture, Undergraduate, 2019 - 2020
Mim0001 Mimari Tasarım I, Undergraduate, 2019 - 2020
Mim0008 Diploma Projesi, Undergraduate, 2019 - 2020
Arc0001 Architectural Design I, Undergraduate, 2019 - 2020, 2014 - 2015
Arc0002 Architectural Design II, Undergraduate, 2019 - 2020
Arc0123 Simplicity and Complexity in Architecture, Undergraduate, 2014 - 2015
Mim0123 Mimarlıkta Yalınlık ve Karmaşıklık, Undergraduate, 2014 - 2015
Arc1010 Anlatım Teknikleri, Undergraduate, 2014 - 2015
Arc1010 Presentation Techniques, Undergraduate, 2014 - 2015
Arc0125 Solar Decathlon, Undergraduate, 2014 - 2015
Mim0125 Güneş Dekatlonu, Undergraduate, 2014 - 2015

Articles Published in Other Journals

- I. **Mimari Biçimlenişte, Karmaşıklığın Nesnel Değerlendirme ile Belirlenmesi**
SAATCIOĞLU N. Ö., DÜLGEROĞLU F. Y.
İTÜ Dergisi Seri A: Mimarlık, Planlama, Tasarım, 2021 (Peer-Reviewed Journal)
- II. **Afyon depremi ve düşündürdükleri**
ÇELEBİ M. R. H., SAATCIOĞLU N. Ö.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.7, no.1, pp.1-4, 2002 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Solar Decathlon Students Competition**
SAATCIOĞLU N. Ö.
XII. International HVAC+R Technology Symposium, 31 March-02 April 2016, İstanbul, Turkey, 31 March 2016
- II. **Introduction of Solar Decathlon Students Competition**
SAATCIOĞLU N. Ö.

XI. International HVAC+R Technology Symposium, 08-10 Mayıs 2014, İstanbul, Turkey, 08 April 2014

III. **Cumhuriyet Köy Saman Evi – Türkiye'nin İlk Yığma Saman Yapısı**

SAATCIOĞLU N. Ö.

Mimarlıkta Taşıyıcı Sistemler Sempozyumu, İstanbul, Turkey, 22 November 2011, pp.205-212

IV. **“The potential of Straw Bale Buildings in Rural Areas of Northern Cyprus”**

GÜNÇE K., SAATCIOĞLU N. Ö.

4. FAE International Symposium, Lefke, Cyprus (Kktc), 30 November - 01 December 2006, vol.1, pp.39-44

V. **“Mesarya Bölgesinde Ekolojik bir Alternatif: “Saman Balya Yapım Sistemi”**

GÜNÇE K., SAATCIOĞLU N. Ö.

II. Residential Congress, Solutions for Residential Problems in Northern Cyprus – Problems-Solutions, 8 - 10 March 2006, pp.311-318

Patent

Saatcioğlu N. Ö., A Load-bearing Wall System Resistant to Outdoor Conditions, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: GB 2589746 , Standard Registration, 2022

Saatcioğlu N. Ö., A Breathing Wall Apparatus for Enabling Natural Ventilation, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Recourse Number: PCT/TR2021050800 , Standard Registration, 2021

Saatcioğlu N. Ö., Doğal Havalandırma Sağlayan Bir Nefes Alan Duvar Aparatı, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: TR 2020 12755 B , Standard Registration, 2021

Saatcioğlu N. Ö., Dış Etkenlere Dayanıklı Bir Yığma Saman Balyası Duvar Sistemi, Patent, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: TR 2018 09089 B , Standard Registration, 2021

Saatcioğlu N. Ö., Kaykay Tekerlekleri İçerisinde Yer Alan Rulmanlar için Bir Koruma Sistemi, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: Tr 2016 06878 B , Standard Registration, 2020

Nevzat Ömer S., Bir Yığma Saman Balyası Duvar Sistemi, Patent, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: Tr 2015 111 58 B , Standard Registration, 2019

Saatcioğlu N. Ö., A Load-bearing Straw-bale Wall System, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: EP3347534B1 , Standard Registration, 2019

Nevzat Ömer S., Bir Askı Aparatı (Dergilik), Patent, CHAPTER A Human Needs, The Invention Registration Number: Tr 2015 05796 B , Standard Registration, 2017

Saatcioğlu N. Ö., Bir Askı Aparatı- (Kitaplık), Patent, CHAPTER A Human Needs, The Invention Registration Number: Tr2014 16314 B , Standard Registration, 2017

Saatcioğlu N. Ö., Damlatmayan Demlik, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2009/05340 , Standard Registration, 2009