

Asst. Prof. SEMİH GÖKSEL YILDIRIM

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık, Turkey 2003 - 2010

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık, Turkey 1999 - 2003

Undergraduate, Anadolu University, Mimarlık Ve Tasarım Fakültesi, Mimarlık Bölümü, Turkey 1993 - 1999

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, The proposal of semi open cold-formed steel framing system for low rise residentials in Turkey, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık, 2010

Postgraduate, Design data for cold-formed steel framing industrialized housing, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık, 2003

Research Areas

Architecture, Building Information, Building Information

Academic Titles / Tasks

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

Assistant Professor, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, ARCHITECTURE (ENGLISH), 2021 - 2022

Assistant Professor, Missouri University of Science and Technology, Civil, Architectural and Environmental Engineering, Architectural Engineering Program, 2014 - 2016

Assistant Professor, Istanbul Arel University, Faculty Of Engineering-Architecture, Department Of Architecture, 2010 - 2013

Lecturer, Halic University, Faculty Of Architecture, Department Of Architecture, 2004 - 2005

Research Assistant, Halic University, Faculty Of Architecture, Department Of Architecture, 2003 - 2004

Academic and Administrative Experience

Deputy Head of Department, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, ARCHITECTURE, 2022 - Continues

Vice Dean, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, 2024 - 2024

Head of Department, Istanbul Arel University, College of Engineering and Architecture, Department of Architecture, 2013 - 2013

Vice Dean, Istanbul Arel University, College of Engineering and Architecture, 2011 - 2013

Courses

Daylighting in Architecture, Postgraduate, 2023 - 2024

Architectural Design 5, Undergraduate, 2023 - 2024

Diploma Project, Undergraduate, 2022 - 2023

Structural Science 1, Undergraduate, 2022 - 2023

Building Information Modeling, Postgraduate, 2023 - 2024

Structural Science 2, Undergraduate, 2023 - 2024

Jury Memberships

Post Graduate, Post Graduate, İstanbul Gelişim Üniversitesi, January, 2024

Articles Published in Other Journals

- I. **Assessing the effectiveness of biophilic design approach in contribution to sustainable architectural goals**
Agboola O. P., Nia H. A., Fındıkgil M. M., Yıldırım S. G.
New Design Ideas, vol.8, pp.144-169, 2024 (Scopus)
- II. **Redesigning course improvement plan; a case study based-on learning outcomes in engineering education**
Yıldırım S. G., Baur S.
Asean Journal of Engineering Education, vol.8, no.1, pp.1-9, 2024 (Peer-Reviewed Journal)
- III. **Experiential learning in daylighting course through performance measurements**
Yıldırım S. G., Baur S. W., Yarbrough T. G., Nieters M.
International Journal of Engineering Technologies, vol.8, no.3, pp.123-130, 2023 (Peer-Reviewed Journal)
- IV. **Proposed framework for daylight-focused homes during design development**
Yıldırım S. G., Baur S. W., Yarbrough T. G., Nieters M.
International Journal of Engineering Technologies, vol.8, no.2, pp.77-82, 2023 (Peer-Reviewed Journal)
- V. **Formulation of problem-based learning in "building components design" education**
Yıldırım S. G., Baur S. W., Laboube R. A.
Journal of Engineering and Architecture, vol.2, no.2, pp.13-26, 2014 (Peer-Reviewed Journal)
- VI. **Problem-based learning with framing construction in architectural engineering**
Yıldırım S. G., Baur S. W., Laboube R. A.
Journal of Engineering and Architecture, vol.2, no.2, pp.63-74, 2014 (Peer-Reviewed Journal)
- VII. **Design education of industrialised building systems**
Yıldırım S. G.
Procedia - Social and Behavioral Sciences, vol.51, pp.84-89, 2012 (Scopus)
- VIII. **Comparison of low rise residential industrialized building systems in Turkey**
Yıldırım S. G.
JOURNAL OF LITERATURE AND ART STUDIES, vol.2, no.9, pp.864-871, 2012 (Peer-Reviewed Journal)

- IX. **Türkiye' de az katlı konutlar için yarı açık hafif çelik yapım sistemi bileşenleri**
Yıldırım S. G., Şener H.
İTÜ Dergisi Seri A: Mimarlık, Planlama, Tasarım, vol.10, no.2, pp.64-70, 2011 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Az Katlı Konutlar için Hafif Çelik Yapım Sistemi**
YILDIRIM S. G.
Altınpost, Ankara, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Optimizing mesh size for static response analysis of vault structures via finite element method**
Sugün E., Noorı A. R., Yıldırım S. G.
5th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 25 - 27 September 2024
- II. **Evaluating the efficacy of biophilic design in achieving sustainable architectural objectives: insights from experts**
Agboola O. P., Nia H. A., Fındıkgil M. M., Yıldırım S. G.
7 th International Conference of Contemporary Affairs on Architecture and Urbanism (ICCAUA-2024), Antalya, Turkey, 23 - 24 May 2024, pp.15
- III. **Daylight performance evaluation methods and usage areas in buildings**
Yıldırım S. G., Baur S. W., Küçükdoğu M. Ş.
4.Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, İstanbul, Turkey, 2 - 03 May 2024, pp.1-10
- IV. **Temporary housing design for post-earthquake in Istanbul; lessons learned from Japan**
Ciritci İ., Yıldırım S. G.
Tokyo 8th International Conference on Innovative Studies & Contemporary Scientific Research Congress, Tokyo, Japan, 12 - 14 January 2024, pp.183-193
- V. **Development of learning taxonomy for an undergraduate course based-on active learning in architectural engineering program**
Yıldırım S. G., Baur S. W.
2016 ASEE Midwest Section Conference, Kansas, United States Of America, 27 September 2016
- VI. **Educational adaptation of cargo container design features. ASEE 2015 ZONE III Conference**
Moore C. M., Yıldırım S. G., Baur S. W.
2015 ASEE Zone III Conference (Gulf Southwest – Midwest – North Midwest Sections), Missouri, United States Of America, 25 September 2015
- VII. **Applicability of multiple building technologies in "building components' design education"**
Yıldırım S. G., Baur S. W.
2015 ASEE Zone III Conference (Gulf Southwest – Midwest – North Midwest Sections), Missouri, United States Of America, 25 September 2015
- VIII. **Fundamentals of framing construction in architectural engineering; a hands-on learning experience**
Yıldırım S. G., Baur S. W., Laboube R. A.
2014 Midwest Section Conference of the American Society for Engineering Education, Arkansas, United States Of America, 24 September 2014
- IX. **Reuse properties of structural members during building components design**
Yıldırım S. G.
International Conference on Systems Engineering and Engineering Management (ICSEEM'13), California, United States Of America, 23 - 25 October 2013
- X. **Life cycle assessment of light gauge steel framing; industrialization and green building**
Yıldırım S. G.

International Journal of Arts & Sciences Conference (IJAS), Massachusetts, United States Of America, 30 May 2013, vol.3, pp.141-156

- XI. **Az katlı endüstrileşmiş konut yapım sistemlerinin çevresel etki açısından değerlendirilmesi**
Yıldırım S. G.
Çevre - Tasarım Kongresi, İstanbul, Turkey, 09 December 2011
- XII. **Definition of common conventions for education of CFS system design**
Yıldırım S. G.
21st International Specialty Conference, Cold Formed Structures – 2012, Missouri, United States Of America, 25 October 2012, vol.155
- XIII. **Steel roof works of Seyrantepe Stadium in terms of construction management**
Yıldırım S. G.
10th International Congress on Advances in Civil Engineering, Ankara, Turkey, 19 October 2012
- XIV. **Türkiye' de cami tasarımı ve uygulama süreci; Beylikdüzü örneği**
Yıldırım S. G.
1. Ulusal Cami Mimarisi Sempozyumu, İstanbul, Turkey, 05 October 2012
- XV. **HVAC and sanitary systems in CFS systems**
Yıldırım S. G.
10th International HVAC+R Technology Symposium, İstanbul, Turkey, 02 May 2012, vol.1, pp.79-85
- XVI. **Hafif çelik konstrüksiyon çatı sistemleri**
Yıldırım S. G.
6. Ulusal Çatı & Cephe Sempozyumu, Bursa, Turkey, 13 April 2012, vol.1, pp.48-53
- XVII. **Az katlı konutlar için endüstrileşmiş yapım sistemi seçimi**
Yıldırım S. G.
Mimarlıkta Taşıyıcı Sistemler Sempozyumu, İstanbul, Turkey, 26 November 2011, vol.1, pp.213-220
- XVIII. **Cold formed steel framing system in Turkey - industrial development**
Yıldırım S. G.
EUROSTEEL 2011: 6th European Conference on Steel and Composite Structures, Budapest, Hungary, 01 September 2011, vol.1, pp.57-62
- XIX. **Evaluation through consisting of component market for cold formed steel framing system in the field of low-rise residential buildings in Turkey**
Yıldırım S. G.
International Symposium "Steel Structures:Culture & Sustainability 2010", İstanbul, Turkey, 23 September 2010, vol.1, pp.555-562

Scientific Refereeing

Journal of Daylighting, Other Indexed Journal, April 2024
Journal of Daylighting, Other Indexed Journal, March 2024
Journal of Daylighting, Other Indexed Journal, August 2023
Journal of Daylighting, Other Indexed Journal, May 2023
Journal of Daylighting, Other Indexed Journal, April 2023

Scientific Consultations

TÜBİTAK 2209A, Project Consultancy, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, ARCHITECTURE (ENGLISH), Turkey, 2024 - 2025

Tasks In Event Organizations

Ciritci İ., Yıldırım S. G., Alkaya A., Fındıkgil M. M., 'Atatürk'ün Mimarı: Seyfi Arkan / Seyfi Arkan Mimarlığı' , Workshop Organization, İstanbul, Turkey, Aralık 2023

Scientific Research / Working Group Memberships

Çevre, Şehircilik Ve Yer Bilimleri Uygulama Araştırma Merkezi, İstanbul Gelisim University, Turkey,
<https://csybuam.gelisim.edu.tr/tr/idari-icerik-cevre-sehircilik-ve-yer-bilimleri-uygulama-ve-arastirma-merkezi-yonetmeligi>, 2023 - 2023

Awards

, Yıldırım S. G., Çevre Bakanlığı Hizmet Binası Mimari Proje Yarışması, Tmmob Mimarlar Odası Ankara Şubesi, March 2001