

## Prof. YENAL AKGÜN



### Personal Information

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### International Researcher IDs

ScholarID: speVxJoAAAAJ

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Publons / Web Of Science ResearcherID: A-7579-2018

ScopusID: 36093948200

Yoksis Researcher ID: 20532

### Education Information

Doctorate, Izmir Institute Of Technology, Institute Of Engineering And Natural Sciences,  
Architecture, Turkey 2004 - 2011

Postgraduate, Izmir Institute Of Technology, Institute Of Engineering And Natural  
Sciences, Architecture, Turkey 2000 - 2004

Undergraduate, Istanbul Technical University, Mimarlık, Mimarlık, Turkey 1996 - 2000

### Biography

Yenal Akgün graduated from Istanbul Technical University, Department of Architecture in 2000. After working on several national and international design projects between 2000 and 2002, he started to work for İzmir Institute of Technology (IZTECH) in 2002 as a research assistant. In 2004, he received his MSc degree from IZTECH. In 2006, he continued his academic studies at the University of Stuttgart, Institute for Lightweight Structures and Conceptual Design (ILEK) with a Ph.D. grant from the German Academic Exchange Service (DAAD), and completed his Ph.D. in 2010. In December 2017, he received the title Associate Professor from the Higher Education Council of Turkey (YOK) in "Construction and Construction Technologies / Systems in Architecture". Between 2017 and 2019, he worked as a full-time architect at Izmir Konak Municipality Department of Urban Design; and taught at Yaşar University Department of Architecture as a part-time lecturer. Between September 2017 and May 2023, he worked as a full-time associate professor at Yaşar University Department of Architecture. Since May 2023, he has been working as a full professor at the Dokuz Eylül University Department of Architecture. Yenal Akgün has received many awards in national architecture competitions; conducted many national and international workshops at several universities. He has also been assigned as a reviewer panelist at several TÜBİTAK projects.

### Foreign Languages

German, B2 Upper Intermediate

English, C2 Mastery

## Research Areas

Disaster Management, Adaptive Systems, Computer Aided Design and Manufacturing, Mechanisms, Robotics, Building Design, Architectural Design, Carrier Systems, Structural elements

## Academic Titles / Tasks

Professor, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2023 - Continues  
Associate Professor, Yasar University, Faculty Of Architecture, Department Of Architecture, 2019 - 2023  
Assistant Professor, Gediz University, Faculty Of Engineering-Architecture, Department Of Interior Architecture, 2011 - 2016  
Research Assistant, Izmir Institute Of Technology, Faculty Of Architecture, Department Of Architecture (English), 2007 - 2011  
Research Assistant, Universitaet Stuttgart, Institute for Lightweight Structures and Conceptual Design, Architecture, 2006 - 2007  
Research Assistant, Izmir Institute Of Technology, Faculty Of Architecture, Department Of Architecture (English), 2002 - 2006

## Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Yasar University, Faculty Of Architecture, Department Of Architecture, 2022 - 2023  
Birim Kalite Komisyonu Başkanı, Yasar University, Faculty Of Architecture, Department Of Architecture, 2021 - 2023  
Vice Dean, Yasar University, Faculty Of Architecture, Department Of Architecture, 2021 - 2023  
Exam Program Preparation Commission Member, Yasar University, Faculty Of Architecture, Department Of Architecture, 2019 - 2023

## Courses

Structural Form and Architectural Space, Postgraduate, 2023 - 2024  
MSc Seminar, Postgraduate, 2023 - 2024  
Mimari Tasarım VI, Undergraduate, 2023 - 2024  
Kinetic Systems in Architecture, Postgraduate, 2023 - 2024  
Mimari Tasarım IV, Undergraduate, 2023 - 2024  
Architectural Design Graduation Project, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Introduction to Architectural Design, Undergraduate, 2022 - 2023  
Graphic Communication 1, Undergraduate, 2023 - 2024  
Architectural Design 1, Undergraduate, 2023 - 2024  
Structural Morphology in Architecture, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Architectural Design 5, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
BIM-Building Information Modeling, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020  
Building Technologies II: Materials and Detailing, Undergraduate, 2020 - 2021, 2019 - 2020  
Building Technologies 1: Structural Systems and Construction, Undergraduate, 2018 - 2019  
Yapı Teknolojisi ve Bilimi II, Undergraduate, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Innovation & Design, Undergraduate, 2015 - 2016  
Graduation Project , Undergraduate, 2015 - 2016, 2014 - 2015  
Architectural Design V, Undergraduate, 2014 - 2015, 2012 - 2013  
Architectural Design IV , Undergraduate, 2015 - 2016, 2012 - 2013

Building Technology and Science II, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013  
Architectural Design VI , Undergraduate, 2015 - 2016, 2014 - 2015  
Post Disaster Temporary Housing , Postgraduate, 2015 - 2016, 2014 - 2015  
Kinetic Architecture, Undergraduate, 2014 - 2015, 2013 - 2014  
Computer for Designers II, Undergraduate, 2013 - 2014, 2011 - 2012  
Architectural Design III, Undergraduate, 2013 - 2014, 2012 - 2013  
Architectural Design II , Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Lightweight Structures, Undergraduate, 2013 - 2014, 2012 - 2013  
Digital Architectural Modeling, Undergraduate, 2011 - 2012  
Building Technology & Science I, Undergraduate, 2011 - 2012, 2010 - 2011  
Computer for Designers I , Undergraduate, 2011 - 2012

## Advising Theses

Korkmaz K., Akgün Y., Parametric Design Methodologies of the Deployable Shell Structures using Antiparallelogram Loops, Doctorate, M.Yar(Student), Continues  
Akgün Y., Exploring the Potential of Smart Materials in the Production of Kinetic Architectural Spaces, Doctorate, P.Neşeliler(Student), Continues  
Akgün Y., The Contribution of Structural Elements to the Formation of Architectural Space in Contemporary Architecture, Postgraduate, B.ERKEN(Student), Continues  
Pedernana M. J., Akgün Y., Folded Plate Structures and their Potential Applications as Building Façade, Postgraduate, B.İtmeç(Student), Continues  
Pedernana M. J., Akgün Y., The Flexibility Potential of Wood in Architecture: Evaluation of Wood Kerf Techniques, Postgraduate, G.Kırkpınar(Student), 2024  
Akgün Y., Architectural integration of over-constrained linkages: Investigating Bricard linkage, Postgraduate, C.Kavuncuoğlu(Student), 2024  
Akgün Y., Biomimetic approaches in architecture: Proposals based on curved line folding, Postgraduate, P.Neşeliler(Student), 2023  
Akgün Y., Yayılabilir Makas Mekanizmalar ile Üretilmiş Yeni bir Kinetik Güneş Kırıcı, Postgraduate, N.HİLAL(Student), 2022  
Akgün Y., Novel deployable umbrella canopies using scissor linkages and folded plates, Postgraduate, B.ATLAMAZ(Student), 2022  
Akgün Y., Examining the Allocation of Post-disaster Shelter Areas: A Case Study in İzmir Karşıyaka District, Postgraduate, H.MARAL(Student), 2016

## Jury Memberships

Competition, Aegean Region Chamber of Industry, Office Building, EBSO, February, 2022  
Competition, İzmir Torbalı Municipality, Torbalı Municipal Building, Public Bazaar, Town Hall and Square National Architectural Competition, Torbalı Municipality, March, 2020  
Competition, Yaşayan Pamukkale Ulusal Mimari Fikir Yarışması, DEĞİAD, May, 2019  
Competition, Kızılırmak Bridge National Architectural Competition, Sivas Municipality, March, 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

### I. A guide for a guide: using UIA publications for an SDG-focused studio

Akgün Y., Erkarıslan O., Neşeliler P.

ARCHNET-IJAR INTERNATIONAL JOURNAL OF ARCHITECTURAL RESEARCH, vol.17, no.3, pp.443-458, 2023 (AHCI)

- II. **Incorporating United Nations 2030 Sustainable Future Agenda into the Architectural Studio: A Graduation Studio Case**  
Erkarslan O. E., Akgun Y.  
INTERNATIONAL JOURNAL OF ART & DESIGN EDUCATION, vol.41, no.4, pp.603-620, 2022 (AHCI)
- III. **Loop based classification of planar scissor linkages**  
Kiper G., Korkmaz K., Gur S., Uncu M. Y., Maden F., Akgun Y., Karagoz C.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.47, no.1, 2022 (SCI-Expanded)
- IV. **A proposal for a convertible stadium roof structure derived from Watt-I linkage**  
Akgun Y., Gantes C. J., Kalochairetis K. E., Gkagka E. E.  
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.45, no.2, pp.271-279, 2017 (SCI-Expanded)
- V. **DESIGN OF A 2-DOF 8R LINKAGE FOR TRANSFORMABLE HYPAR STRUCTURE**  
Korkmaz K., Akgun Y., Maden F.  
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.40, no.1, pp.19-32, 2012 (SCI-Expanded)
- VI. **A review of planar scissor structural mechanisms: geometric principles and design methods**  
Maden F., Korkmaz K., Akgun Y.  
ARCHITECTURAL SCIENCE REVIEW, vol.54, no.3, pp.246-257, 2011 (AHCI)
- VII. **A novel adaptive spatial scissor-hinge structural mechanism for convertible roofs**  
Akgun Y., Gantes C. J., Sobek W., Korkmaz K., Kalochairetis K.  
ENGINEERING STRUCTURES, vol.33, no.4, pp.1365-1376, 2011 (SCI-Expanded)
- VIII. **A novel concept of convertible roofs with high transformability consisting of planar scissor-hinge structures**  
Akgun Y., Gantes C. J., Kalochairetis K. E., Kiper G.  
ENGINEERING STRUCTURES, vol.32, no.9, pp.2873-2883, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Ahşap malzemede kerf kesim tekniğinin potansiyeli üzerine bir değerlendirme**  
Kırkpınar G., Akgün Y., Pedergnana M. J.  
Mobilya ve ahşap malzeme araştırmaları dergisi (Online), vol.7, no.1, pp.54-69, 2024 (Peer-Reviewed Journal)
- II. **A Critical Review and Novel Classification Proposal for Kinetic Roof Structures**  
Atlamaz B., Akgün Y.  
JOURNAL OF ARCHITECTURAL SCIENCES AND APPLICATIONS, vol.8, no.2, pp.84-105, 2023 (Peer-Reviewed Journal)
- III. **Tectonics of kinetic architecture: Moving envelope, changing space and the shades of the shed**  
Akgun Y., Erkarslan O. E., Kavuncuoglu C.  
FRONTIERS IN BUILT ENVIRONMENT, vol.8, 2022 (ESCI)
- IV. **Potential Contributions of Topology Optimization for Building Structures: A Redesign Case Study on Saint Voukolos Church**  
PAK E., ORHON A. V., AĞGÜN Y.  
A+Arch Design International Journal of Architecture and Design, vol.8, no.1, pp.89-99, 2022 (Peer-Reviewed Journal)
- V. **Geometric Design of Planar Scissor Linkages with Hybrid Loop Assemblies**  
Sarisayin N. H., Akgun Y., Maden F., Kilit O.  
JOURNAL OF ARCHITECTURAL ENGINEERING, vol.28, no.2, 2022 (ESCI)
- VI. **Delphi Yöntemi Kullanarak Afet Sonrası Geçici Barınma Alanı Seçimi ve Planlaması Ölçütlerinin Belirlenmesi: İzmir/Seferihisar Örneği**  
Dayanır H., ÇINAR A. K., AĞGÜN Y., ÇORUMLUOĞLU Ö.  
JOURNAL OF NATURAL HAZARDS AND ENVIRONMENT, vol.8, no.1, pp.87-102, 2022 (Peer-Reviewed Journal)
- VII. **Design and implementation of online learning process for complex architectural projects: a graduation project example during Covid-19 period**

- Erkarıslan O. E., Akgun Y.  
FESTIVAL DELL ARCHITETTURA MAGAZINE, vol.103, pp.76-81, 2021 (ESCI)
- VIII. **A CRITICAL REVIEW ON CLASSIFICATION AND TERMINOLOGY OF SCISSOR STRUCTURES**  
Maden F., Akgun Y., Kiper G., Gur S., Yar M., Korkmaz K.  
JOURNAL OF THE INTERNATIONAL ASSOCIATION FOR SHELL AND SPATIAL STRUCTURES, vol.60, no.1, pp.47-64, 2019 (ESCI)
- IX. **Analyzing The Planning Criteria for Emergency Assembly Points and Temporary Shelter Areas: Case of Izmir-Karsiyaka**  
Cinar A. K., AKGÜN Y., Maral H.  
PLANLAMA-PLANNING, vol.28, no.2, pp.179-200, 2018 (ESCI)
- X. **Emre Arolat ile "Bergama Kültür Merkezi Üzerine**  
AKGÜN Y., İNCEKÖSE Ü.  
Ege Mimarlık, pp.34-43, 2018 (Non Peer-Reviewed Journal)
- XI. **A novel planar scissor structure transforming between concave and convex configurations**  
Yar M., Korkmaz K., Kiper G., Maden F., Akgün Y., Aktaş E.  
International Journal of Computational Methods and Experimental Measurements, vol.5, no.4, pp.442-450, 2017 (Scopus)
- XII. **Bütünleşik Mimarlık Eğitimi ve Pratiği**  
AKGÜN Y.  
Ege Mimarlık, vol.1, no.93, pp.10-11, 2016 (Peer-Reviewed Journal)
- XIII. **Ortografik Çizimler ile Bilgisayar Animasyonları arasında Mekân Algısı Bağlamında bir Karşılaştırma**  
AKGÜN Y., EYÜCE E. Ö., ÇEVİKAYAK M.  
Yapı, vol.1, no.411, pp.68-73, 2016 (Peer-Reviewed Journal)
- XIV. **Çiğli Güzeltepe Mahallesi için Kentsel Dönüşüm Modeli Önerisi**  
ÇINAR A. K., AKGÜN Y., Karaburun Akıncı N.  
Ege Mimarlık, vol.1, no.92, pp.26-29, 2016 (Peer-Reviewed Journal)
- XV. **Biçim Değiştirebilen Yapılar ve Mimariye Kattıkları Üzerine**  
AKGÜN Y.  
Ege Mimarlık, vol.1, no.80, pp.42-45, 2012 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Kinetic Architecture and BIM: The State of Art and Future Visions**  
AKGÜN Y., ÖZENER O. Ö.  
in: Advances in Building Information Modeling, Özener, O.Ö., Ofluoglu, S., Isikdag, U., Editor, Springer, pp.135-144, 2022
- II. **Tektonik Rotalar: Mimarlık İçinde Dolaşık Bir Yol Hikayesi**  
AKGÜN Y., SOYA O.  
in: Prof. Dr. Ahmet T. Eyüce'ye Armağan - Mimarlık Eğitimi Ve Düşüncesine Dair Anılar Denemeler Yazılar, Nilay Ünsal Gülmez, Özen Eyüce, Hikmet Sivri Gökmen, Editor, Verita Kitap, İstanbul, pp.173-184, 2020
- III. **Scherengestänge als Elemente adaptiver Morphologien**  
AKGÜN Y., MADEN F., GÜR Ş., KİPER G., KORKMAZ K., AKTAŞ E., UNCU M.  
in: New Move: Architektur in Bewegung - Neue Dynamische Komponenten Und Bauteile, Michael Schumacher, Michael-marcus Vogt, Luis Arturo Cordón Krumme, Editor, Birkhäuser, Basel, pp.100-103, 2019
- IV. **Scissor Linkages in the Design of Adaptive Morphologies**  
AKGÜN Y., MADEN F., GÜR Ş., KİPER G., KORKMAZ K., AKTAŞ E., YAR UNCU M.  
in: New Move: Architecture in Motion - New Dynamic Components and Elements, Michael Schumacher, Michael-Marcus Vogt, Luis Arturo Cordón Krumme, Editor, Birkhäuser, Basel, pp.98-101, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Integrating SDGs into Architectural Education in Turkey**  
HOŞKARA Ş., AKGÜN Y., ERDOĞDU ERKARSLAN Ö., Koç Ö.  
UIA World Congress of Architects, Kopenhagen, Denmark, 02 July 2023, pp.845-861
- II. **Geometric variety of scissor linkages according to loop geometry: A case study of a canopy design**  
Atlamaz B., AKGÜN Y., MADEN F., Kavuncuoğlu C.  
ICSA 2022: 5th International Conference on Structures and Architecture, Aalborg, Denmark, 6 - 08 July 2022, vol.1, pp.404-412
- III. **Potential Contributions of Topology Optimization for Building Structures: A Redesign Case Study on Saint Voukolos Church**  
PAK E., ORHON A. V., AKGÜN Y.  
5th International Conference of Contemporary Affairs in Architecture and Urbanism (ICCAUA 2022), Antalya, Turkey, 11 - 13 May 2022, vol.1, pp.77
- IV. **A Case Study on Introducing UN 2030 Sustainable Development Goals into the Architectural Design Studio**  
ERDOĞDU ERKARSLAN Ö., AKGÜN Y.  
The First International Conference on Design Innovations and Management for Sustainable Environment, Gazimagusa, Cyprus (Kkct), 15 - 16 March 2022
- V. **Visions on Izmir City Konak Centre: An Architectural Studio on UN 2030 Sustainable Development Goals**  
AKGÜN Y., Erdoğan Erkarıslan Ö.  
1st International Conference on Design Innovation and Management for Sustainable Environment, Lefkoşa, Cyprus (Kkct), 15 - 16 March 2022
- VI. **Kinetic Architecture and BIM Integration: A case study on a Bricard linkage canopy system**  
Kavuncuoğlu C., Akgun Y., Özener O. Ö.  
40th Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2022, Ghent, Belgium, 13 - 16 September 2022, vol.1, pp.243-252
- VII. **Kinetic Architecture and BIM: The State of Art and Future Visions**  
Akgün Y., Özener O. Ö.  
2nd Eurasian BIM Forum on Advances in Building Information Modeling, EBF 2021, İstanbul, Turkey, 11 - 12 November 2021, vol.1627 CCIS, pp.135-144
- VIII. **Review of Contemporary Adaptive Structures and Future Perspectives**  
AKGÜN Y.  
4th International Conference of Contemporary Affairs in Architecture and Urbanism (ICCAUA-2021), Antalya, Turkey, 20 - 21 May 2021, vol.1, pp.72-80
- IX. **Weight and Material Optimization of Scissor-hinge Linkages According to Given Span Length**  
Akgun Y., Maden F., Yildirim E.  
1st International Conference on Optimization-Driven Architectural Design (OPTARCH), Amman, Jordan, 5 - 07 November 2019, pp.387-393
- X. **Structural comparison of scissor-hinge linkages**  
Maden F., Akgün Y., Yüçetürk K., Aktaş E., Uncu M., Mitropoulou C.  
4th International Conference on Structures and Architecture, ICSA 2019, Lisbon, Portugal, 24 - 26 July 2019, pp.863-869
- XI. **İzmir deki Afet Sonrası Toplanma Ve Acil Barınma Alanları Üzerine Bir Değerlendirme**  
MARAL H., AKGÜN Y., ÇINAR A. K., KARAVELİ A. S.  
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015, vol.1
- XII. **Deprem Sonrası Acil Barınma Birimi Tasarımları Üzerine Bir Değerlendirme**  
YAMALI M. S., AKGÜN Y., KARAVELİ A. S.  
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015, vol.1
- XIII. **Watt I Mekanizmasından Türetilmiş Şekil Değiştirebilen Yeni Üst Örtü Strüktürü Önerileri**

AKGÜN Y.

17. UMTS: Uluslararası katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 - 17 June 2015, vol.1, pp.433-440

**XIV. A Novel 8R Mechanism for Configurable Hypar Surface**

KORKMAZ K., SUSAM G., AKGÜN Y.

First Conference- Transformables 2013, Sevilla, Spain, 18 - 20 September 2013, vol.1, pp.77-82

**XV. On the Trade off between Structural Performance and Deployability**

GANTES C. J., KALOCHAIRETIS K. E., AKGÜN Y.

First Conference- Transformables 2013, Sevilla, Spain, 18 - 20 September 2013, vol.1, pp.131-136

**XVI. Design of reconfigurable doubly-curved canopy structure**

Maden F., Korkmaz K., Akgün Y.

2nd International Conference on Structures and Architecture, ICSA 2013, Guimaraes, Portugal, 24 - 26 July 2013, pp.1040-1047

**XVII. Design of adaptive structures by kinematic synthesis of mechanisms**

Akgün Y., Maden F., Korkmaz K.

2nd International Conference on Structures and Architecture, ICSA 2013, Guimaraes, Portugal, 24 - 26 July 2013, pp.976-982

**XVIII. Mekanizma Sentezi Yöntemleri ile Kinetik Strüktür Tasarımı**

AKGÜN Y.

Mimarlıkta Taşıyıcı Sistemler Sempozyumu, İstanbul, Turkey, 24 - 26 November 2011, vol.1, pp.179-186

**XIX. Simulation of a Novel Primary Element to Increase the Form Flexibility of Deployable Scissor Structures**

AKGÜN Y., KORKMAZ K.

2nd International Symposium on Computing in Science and Engineering, Aydın, Turkey, 1 - 04 June 2011, vol.1, pp.1042-1047

**XX. A Novel Transformation Model for Deployable Scissor hinge Structural Mechanisms**

AKGÜN Y., GANTES C. J., SOBEK W., KORKMAZ K.

IASS 2010: International Association of Spatial Structures, Shanghai, China, 8 - 12 November 2010, vol.1, pp.2461-2474

**XXI. A Novel Transformable Structural Mechanism based on Bennett Linkage for Architectural Applications**

KORKMAZ K., AKGÜN Y., MADEN F.

AZciFToMM, International Symposium of Mechanism and Machine Science, İzmir, Turkey, 5 - 08 October 2010, vol.1, pp.123-129

**XXII. A Novel Spatial Scissor-hinge Structural Mechanism for Transformable Roofs**

AKGÜN Y., KORKMAZ K., SOBEK W., GANTES C. j.

AZciFToMM, International Symposium of Mechanism and Machine Science, İzmir, Turkey, 5 - 08 October 2010, vol.1, pp.116-122

**XXIII. Makas Benzeri Elemanlar ile Oluşturulmuş Şekli Değişebilen bir Strüktür Önerisi Sistemin Kinematik Analizi**

AKGÜN Y., KİPER G., CAN F. C.

14. UMTS: Ulusal Makine Teorisi Sempozyumu, Kıbrıs, Turkey, 2 - 04 July 2009, vol.1, pp.427-433

**XXIV. Makas-benzeri Elemanlar ile Oluşturulmuş Şekli Değişebilen bir Strüktür Önerisi: Sistemin Kinematik ve Statik Analizi**

AKGÜN Y., Ünal E.

Eksen Mühendislik Kullanıcılar Sempozyumu, İstanbul, Turkey, 22 - 23 October 2009

**XXV. Proposal for a New Scissor-Hinge Structure to Create Transformable and Adaptive Roofs**

AKGÜN Y., Haase W., Sobek W.

IASS 2007 – Symposium of International Association of Spatial Structures, Venedik, Italy, 3 - 06 September 2007

**XXVI. HizmO: History of Izmir Architecture On-line: An interactive database for e-learning architectural history**

AKGÜN Y.

E-Activities and Intelligent Support in Design and Built Environment Conference, İstanbul, Turkey, 08 October 2003, vol.1, pp.13-18

**XXVII. An Interactive Database HizmO for Reconstructing Lost Modernist İzmir**

AKGÜN Y.

21st eCAADe Conference, Graz, Austria, 17 - 20 September 2003, vol.1, pp.369-372

## Supported Projects

Maden F., Akgün Y., Kilit Ö., Gündüzalp M., Korkmaz K., Kiper G., Project Supported by Higher Education Institutions, Development of Transformable Disaster Relief Shelters Using Scissor Linkages and Foldable Plates, 2023 - 2024

Akgün Y., Kavuncuoğlu C., Project Supported by Higher Education Institutions, Development and Fabrication of Novel Adaptive Building Envelope Systems: Use of Over-constrained and Compliant Mechanisms, 2022 - 2023

Akgün Y., Project Supported by Higher Education Institutions, Investigating novel architectural uses and fabrication problems of scissor-hinge structural mechanisms, 2021 - 2022

Akgün Y., Development Agency, Yenilikçi Öğrenme Merkezi, 2018 - 2020

Akgün Y., Development Agency, Tepecik Semt Merkezi Restorasyon ve Hayata Geçirme Projesi, 2018 - 2020

Akgün Y., H2020 Project, OptArch: Optimization Driven Architectural Design of Structures, 2016 - 2020

## Patent

Akgün Y., Deployable Canopy, Patent, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: TR 2022 013367 B , Standard Registration, 2023

Kilit Ö., Akgün Y., Maden F., Spring Assisted Balancing System for Scissor Linkages, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Recourse Number: 2023-GE-215284 , Standard Registration, 2023

Akgün Y., A Solar Shading System, Patent, CHAPTER E Constructed Constructions (Construction), The Invention Recourse Number: 2022-GE-604342 , Standard Registration, 2022

## Activities in Scientific Journals

Ekistics and the New Habitat, Advisory Committee Member, 2024 - Continues

Ege Mimarlık, Publication Committee Member, 2022 - Continues

Ege Mimarlık, Advisory Committee Member, 2020 - 2022

International Journal of Digital Innovation in the Built Environment, Special Issue Editor, 2021 - 2021

Ege Mimarlık, Publication Committee Member, 2013 - 2017

Ege Mimarlık, Special Issue Editor, 2016 - 2016

Ege Mimarlık, Special Issue Editor, 2012 - 2012

## Tasks In Event Organizations

Akgün Y., Sümengen Ö., Atarer F., Kinetic Post-disaster Sheltering Workshop, Workshop Organization, Kayseri, Turkey, Haziran 2023

Akgün Y., Gabriel Morales Beltran M., Yılmaz A., Ek F. İ., Pedernana M. J., ATI 2022: Architecture, Technology and Innovation: De-constructing & Re-using Architecture, Scientific Congress, İzmir, Turkey, Aralık 2022

Akgün Y., 40th Education and Research in Computer Aided Architectural Design in Europe (eCAADe) Conference, Scientific Congress, Leuven, Belgium, Eylül 2022

Akgün Y., 5th International Conference on Structures and Architecture, Scientific Congress, Aalborg, Denmark, Temmuz



2022

Akgün Y., EBF 2021: 2nd Eurasian BIM Forum and Conference: Moving Forward with BIM, Scientific Congress, İstanbul, Turkey, Kasım 2021

Akgün Y., ATI 2021: Architecture, Technology and Innovation: Designing for Uncharted Territories, Scientific Congress, İzmir, Turkey, Eylül 2021

Akgün Y., ATI 2020: Architecture, Technology and Innovation: Smart Buildings, Smart Cities, Scientific Congress, İzmir, Turkey, Ağustos 2020

Akgün Y., Competitions and Architecture Symposium, Scientific Congress, İzmir, Turkey, Mayıs 2016

Akgün Y., 3TDMSK –3rd Turkey Earthquake Engineering and Seismology Conference, Scientific Congress, İzmir, Turkey, Ekim 2015

Akgün Y., TrC-IFTToMM Symposium on Theory of Machines and Mechanisms, Scientific Congress, İzmir, Turkey, Haziran 2015

Akgün Y., Visiting School-Mittelmeerland 6, Workshop Organization, İzmir, Turkey, Şubat 2015

Akgün Y., 3rd International Symposium on Computing in Science and Engineering, Scientific Congress, Aydın, Turkey, Ekim 2013

Akgün Y., EAAE International Conference and Workshop on Architectural Education, "Educating the Future: Architectural Education in the International Perspective, Scientific Congress, İstanbul, Turkey, Mart 2013

Akgün Y., 2nd International Symposium on Computing in Science and Engineering, Scientific Congress, Aydın, Turkey, Haziran 2011

Akgün Y., AZcIFTToMM – International Symposium of Mechanism and Machine Science, Scientific Congress, İzmir, Turkey, Ekim 2010

## **Scientific Research / Working Group Memberships**

Adaptive Skins And Structures For The Built Environment Of Tomorrow, Universitaet Stuttgart, Germany,

<https://www.sfb1244.uni-stuttgart.de/en/>, 2023 - Continues

Innovative Structures, Mechanisms And Automation, Yasar University, Türkiye, <https://isma.yasar.edu.tr/>, 2022 - Continues

## **Congress and Symposium Activities**

SFB 1244 Symposium – Adaptive Hüllen und Strukturen, Invited Speaker, Stuttgart, Germany, 2023

## **Scholarships**

Yıllık Araştırma Bursu, Official Institutions of Foreign Countries, 2006 - 2007