

Lect. PhD AYŞEM BERRİN ÇAKMAKLI

Personal Information

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Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Architecture, Turkey 2001 - 2007

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Architecture (YI) (Tezli), Turkey 1997 - 2000

Undergraduate, Middle East Technical University, Faculty of Architecture, Department of Architecture, Turkey 1993 - 1997

Foreign Languages

English, C1 Advanced

German, B1 Intermediate

Dissertations

Doctorate, Life cycle assessment of building materials in hotel refurbishment projects: A case study in Ankara, Orta Doğu Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Yapı Bilimleri (Dr), 2007

Postgraduate, Sustainable Buildings and Building Materials: Environment, Human Health and Energy, Middle East Technical University, Graduate School of Natural and Applied Sciences, Mimarlık (YI) (Tezli), 2000

Research Areas

Technical Sciences, Architecture, Building Information, Physical Urban Protection

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Faculty of Architecture, Department of Architecture, 2010 - Continues
Assistant Professor, Atılım University, Faculty Of Fine Arts, Design And Architecture, Department Of Interior Architecture And Environmental Design, 2010 - 2010

Lecturer PhD, Cankaya University, Faculty Of Architecture, Department Of Interior Architecture, 2009 - 2010

Lecturer PhD, Baskent University, Fine Arts Faculty Of Design And Architecture, Department Of Interior Architecture And Environmental Design, 2005 - 2009

Academic and Administrative Experience

Advising Theses

- Gürsel Dino I., ÇAKMAKLI A. B. , SUSTAINABILITY IN ARCHITECTURAL EDUCATION: THE IMPACT OF EDUCATION ON PERCEPTIONS OF SUSTAINABILITY, Postgraduate, A.NİLÜFER(Student), 2019
- Gürsel Dino I., Çakmaklı A. B. , COLLABORATIVE WORKING SPACES: PROJECT ECOLOGIES AND MEANS OF INTERACTION AND COLLABORATION, Postgraduate, S.ERTAN(Student), 2019
- ÇAKMAKLI A. B. , An Energy And Economic Efficiency Comparison Of The Building Envelope Of An Apartment Building In Ankara, Turkey, Postgraduate, M.SAEED(Student), 2014
- Çakmaklı A. B. , Baş Bütüner F., The Integration of tall buildings with the urban environment: considering the key sustainability concepts, Postgraduate, T.TOHUMCU(Student), 2014
- ÇAKMAKLI A. B. , An Investigation On The Performance Of Aluminium Panel Curtain Wall System In Relation To The Facade Tests,, Postgraduate, B.NUR(Student), 2013
- ÇAKMAKLI A. B. , Evaluation Of Natural Ventilation Systems In Tall Buildings With Considering Altitude Based Environmental Variations, Postgraduate, İ.KARADAĞ(Student), 2013

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

- I. **THE INTEGRATION OF TALL BUILDINGS IN URBAN ENVIRONMENT: CONSIDERING THE KEY SUSTAINABILITY CONCEPTS**
TOHUMCU T., ÇAKMAKLI A. B.
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.34, no.1, pp.163-186, 2017 (Journal Indexed in AHCI)

Articles Published in Other Journals

- I. **Interface of the Natural Ventilation Systems with Building Management Systems**
KARADAĞ İ., ÇAKMAKLI A. B.
Periodica Polytechnica Architecture, vol.51, no.2, pp.178-188, 2020 (Refereed Journals of Other Institutions)
- II. **Kerkenes Eko-Merkezi**
ÇAKMAKLI A. B. , ÖZKAN S. T. E.
EkoYapı Ekolojik Yapılar ve Yerleşimler, pp.112-116, 2011 (International Refereed University Journal)
- III. **Modern Binalar Hasta Ediyor**
ÇAKMAKLI A. B.
Şikayet Var, pp.41, 2006 (International Refereed University Journal)
- IV. **Neden Sürdürülebilirlik? Neden Sürdürülebilir Bina Malzemeleri?**
ÇAKMAKLI A. B.
Ekoloji ve Mimarlık, Bülten, pp.20-22, 2003 (International Refereed University Journal)

Books & Book Chapters

- I. **Different Strategies of Housing Design**
Çakmaklı A. B. (Editor)
Intech Open, London, 2019
- II. **Introductory Chapter: Healthy and Affordable Housing Strategies**
Çakmaklı A. B.
in: Different Strategies of Housing Design, Aysem Berrin Cakmakli, Editor, EBSCO , London, pp.3-7, 2019
- III. **Environmental Analysis of Construction Materials: Material Specifications for Green Built**

Environment

Çakmaklı A. B.

in: Green Building Management and Smart Automation, Arun Solanki, Anand Nayyar, Editor, IGI Global, Pennsylvania, pp.90-110, 2019

IV. Güneş Enerjili Seralar

Çakmaklı A. B.

in: GÜNSERA, ÇETİN GÖKSU, Editor, Diğer, Ankara, pp.27-33, 2014

V. 1. ULUSLARARASI LİSANSÜSTÜ ARAŞTIRMALARI SEMPOZYUMU YAPILI ÇEVRE

ELİAS ÖZKAN S. T. , ÇAKMAKLI A. B. , TANER Ö.

Metu Press Yayınları, Ankara, 2010

VI. Proceedings Of The 1st International Graduate Research Symposium On The Built Environment

ELİAS ÖZKAN S. T. , ÇAKMAKLI A. B. , SUMMERS F.

Metu Mf Press, Ankara, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. Sürdürülebilir Kalkınma Hedeflerinin Yüksek Öğretime Yansımaları: Mimarlık Eğitimi Örneği**
ÇALIKUŞU A. N. , GÜRSEL DİNO İ., ÇAKMAKLI A. B.
4.Ulusal Yapı Kongresi Ve Sergisi, Antalya, Turkey, 6 - 08 December 2018
- II. Paylaşımlı Çalışma Mekanları (Coworking Spaces)**
ERTAN S., GÜRSEL DİNO İ., ÇAKMAKLI A. B.
4. Ulusal Yapı Kongresi Ve Sergisi, Antalya, Turkey, 6 - 08 December 2018
- III. Impacts Of Recently Developed Squatter Settlements Transformation Projects On Urban Heat Islands: A Comparative Study In The City Of Ankara,**
Çakmaklı A. B. , Baş Bütüner F.
Beyond All Limits Congress : International Congress On Sustainability In Architecture, Planning And Design, Ankara, Turkey, 17 - 19 October 2018, vol.1, pp.220-225
- IV. Paylaşımlı Çalışma Mekanları(Co-working Spaces)**
ERTAN S., GÜRSEL DİNO İ., ÇAKMAKLI A. B.
4.Ulusal Yapı Kongresi ve sergisi, Antalya, Turkey, 6 - 08 December 2018, pp.245-257
- V. STRATEGIES FOR SUSTAINABLE TALL BUILDINGS IN HISTORICAL URBAN ENVIRONMENT**
ÇAKMAKLI A. B. , TOHUMCU T.
4th International Conference The Importance of Place: Cities and Cultural Landscapes: between recognition, preservation and usage:, Sarajevo, Bosnia And Herzegovina, 20 - 23 October 2017
- VI. An Energy and Economic Comparison of Building Envelope Types in Ankara**
SHORBAGI M. I. , ÇAKMAKLI A. B.
II. International Sustainable Buildings Symposium 2015, Ankara, Turkey, 28 - 30 May 2015
- VII. The Integration of Tall Buildings with the Urban Environment Considering the Key Sustainability Concepts**
TULU T., ÇAKMAKLI A. B.
II. International Sustainable Buildings Symposium 2015, Ankara, Turkey, 28 - 30 May 2015, pp.193-202
- VIII. The Kerkenes Eco-Center**
ÇAKMAKLI A. B. , ÖZKAN S. T. E.
3. International Green Building Summit, İstanbul, Turkey, 20 - 21 February 2014
- IX. A Sustainable Local Development Model: "Improvement of the Solar Powered Devices in Yozgat Şahmuratlı Village" / Sürdürülebilir Bir Yerel Kalkınma Modeli: "Yozgat-Şahmuratlı Köyü'nde Güneş Enerjili Tasarımların Kullanımının Gösterimi ve İyileştirilmesi**
ÇAKMAKLI A. B.
9. Ulusal Çevre Mühendisliği Kongresi, Samsun, Turkey, 5 - 08 November 2011, vol.132
- X. Environmental Assessment Systems of Buildings**

ÇAKMAKLI A. B.

International Sustainable Buildings Symposium 2010, Ankara, Turkey, 26 - 28 May 2010, pp.539-543

XI. The Necessity of Green Architecture and Its Principles

ÇAKMAKLI A. B.

International Ecological Architecture and Planning Symposium 2009, Antalya, Turkey, 22 - 25 October 2009, pp.409-415

XII. The Importance of LCA and Service Life Prediction in Sustainable Design

ÇAKMAKLI A. B.

11th International Conference on Durability of Building Materials and Components, İstanbul, Turkey, 11 - 14 May 2008, vol.4, pp.1627-1638

XIII. Design of Living Spaces in Contemporary Residential Architecture

ÇAKMAKLI A. B. , ÖZKAN S. T. E.

18. International Building and Life Congress, Bursa, Turkey, 23 - 25 March 2006, pp.27-35

XIV. Hotel Renovation Projects and LCC

ÖZKAN S. T. E. , ÇAKMAKLI A. B.

CIB W107 International Symposium on Construction in Developing Economies: New Issues and Challenges,, Santiago, Chile, 17 - 19 January 2006, pp.45-52

XV. Sürdürülebilir ve Ekolojik Yüzey Malzemeleri

ÇAKMAKLI A. B. , DEMİRBİLEK F. N.

Kuram ve Uygulama: Mimari Biçimlendirmede Yüzey Sempozyumu, Ankara, Turkey, 7 - 09 October 1999, pp.266-275

Supported Projects

ÇAKMAKLI A. B. , BAŞ BÜTÜNER F., KARAKADILAR A. C. , DENİZ E., Project Supported by Higher Education Institutions, Gecekondu Alanları için Önerilen Kentsel Dönüşüm Uygulamalarının Kentsel Isı Adaları Üzerine Etkileri, 2018 - Continues
ÇAKMAKLI A. B. , PEDERGNANA M., Project Supported by Higher Education Institutions, Post-occupancy evaluation of straw-bale buildings in Turkey, 2016 - 2017

Çakmaklı A. B. , Tanrıvermiş H., Municipality, Kayseri İli Kocasinan İlçesi Sahabiye ve Fatih Mahalleleri Kentsel Dönüşüm Uygulamalarının Etkilerinin Değerlendirilmesi Projesi, 2014 - 2015

Çakmaklı A. B. , Tanrıvermiş H., Municipality, Emlak Vergisine Yönelik Olarak Binaların Mevcut Sınıflandırma Sistemi ve Sorunları İle Belediyelerin Emlak Vergisi Sisteminin İyileştirilmesine Yönelik Yeni Sınıflama Sisteminin Geliştirilmesi ve Güncelleme Gerekliliği , 2014 - 2015

ÇAKMAKLI A. B. , ASLAN E., FARZIN MOGHADDAM M., Pedernana M., Turhan F., Deljavan N., Project Supported by Higher Education Institutions, Thermal Performance of Buildings with Passive Solar Gains, Insulation and Energy Efficient Heating Systems, 2014 - 2014

ÇAKMAKLI A. B. , Project Supported by Other Private Institutions, Kerkenes Eko Merkez Projesi, 2010 - 2014

ÇAKMAKLI A. B. , CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, UNDP SGP Project Kerkenes Eco Center Project Kerkenes eko merkezi ve Yozgat Şahmuratlı Köyü nde yenilenebilir enerji kullanımlarının gösterimi ve yayımı, 2006 - 2006

Scientific Refereeing

Civil Engineering and Architecture, Other Indexed Journal, January 2021

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, Journal Indexed in AHCI, December 2020

Edit Congress and Symposium Activities

3. International Green Building Summit, Panelists, İstanbul, Turkey, 2014

Citations

Total Citations (WOS):2

h-index (WOS):1

Scholarships

Fulbright Visiting Scholar , Fulbright Program, 2019 - 2020