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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-4058-2020

ScopusID: 57201152417

Yoksis Researcher ID: 142621

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı Bilgisi (Dr), Turkey 2010 - 2015

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı Bilgisi (YL), Turkey 2007 - 2010

Undergraduate, Dokuz Eylul University, Mimarlık Fakóltesi, Mimarlık Bölümü, Turkey 2002 - 2007

Dissertations

Doctorate, Bina enerji performansını geliřtirmede optimum çözümleri belirlemeye yönelik simülasyon ve çok amaçlı optimizasyon tabanlı bir karar destek modeli, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı Bilgisi (Dr), 2015

Postgraduate, The examination of sustainable building construction principles and new approaches, Dokuz Eylul University, Mimarlık Fakóltesi, Mimarlık Bölümü, 2010

Research Areas

Architecture, Building Information, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Dokuz Eylul University, Mimarlık Fakóltesi, Mimarlık Bölümü, 2018 - Continues

Research Assistant PhD, Dokuz Eylul University, Mimarlık Fakóltesi, Mimarlık Bölümü, 2015 - 2018

Research Assistant, Dokuz Eylul University, Mimarlık Fakóltesi, Mimarlık Bölümü, 2009 - 2015

Courses

Contemporary Structural Systems, Undergraduate, 2023 - 2024

Detailing and Finishing, Undergraduate, 2023 - 2024

Building Material II, Undergraduate, 2023 - 2024

Building Construction I , Undergraduate, 2023 - 2024
Introduction to Building Construction I, Undergraduate, 2023 - 2024
Introduction to Building Construction I, Undergraduate, 2020 - 2021
Detailing and Finishing, Undergraduate, 2020 - 2021
Building Construction I , Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An approach for making optimal decisions in building energy efficiency retrofit projects**
ŞENEL SOLMAZ A., HALICIOĞLU F. H., Gunhan S.
INDOOR AND BUILT ENVIRONMENT, vol.27, no.3, pp.348-368, 2018 (SCI-Expanded)
- II. **Optimisation of energy performance and thermal comfort of an office building**
ŞENEL SOLMAZ A.
GRADEVINAR, vol.70, no.7, pp.581-592, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **A critical review on building performance simulation tools**
Solmaz A.
Alam Cipta, vol.12, no.2, pp.7-21, 2019 (Scopus)
- II. **Digital Fabrication Technologies in Architecture**
Şenel Solmaz A., Güller E.
Yapı, no.425, pp.140-145, 2017 (Peer-Reviewed Journal)
- III. **Investigation of an Existing School Building from Energy Efficiency and Thermal Comfort Perspectives**
Şenel Solmaz A., Halicioğlu F. H.
Yapı, vol.416, pp.126-131, 2016 (Peer-Reviewed Journal)
- IV. **An Approach to Identify the Optimal Solutions in the Context of Energy and Cost Criteria for Buildings in Different Climates**
ŞENEL SOLMAZ A.
MEGARON, vol.11, no.4, pp.592-606, 2016 (ESCI)
- V. **Tasarım ve yapımda kullanılan teknolojiler bağlamında Walt Disney konser binası**
Şenel Solmaz A.
Yapı, no.370, pp.128-133, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **MACHINE LEARNING BASED OPTIMIZATION APPROACH FOR BUILDING ENERGY PERFORMANCE**
ŞENEL SOLMAZ A.
2020 Building Performance Analysis Conference and SimBuild co-organized by ASHRAE and IBPSA-USA, Chicago, United States Of America, 29 September - 01 October 2020, pp.69-76
- II. **A Simulation Based Optimization Approach for Determining the Optimum Energy Saving Solutions for Buildings**
ŞENEL SOLMAZ A., HALICIOĞLU F. H., GUNHAN S.
BSO2016-BuildingSimulation and Optimization Conference, United Kingdom, 12 - 14 September 2016, pp.274-281
- III. **DETERMINING THE OPTIMUM FINANCIAL AND ENERGY SAVING SOLUTIONS FOR BUILDINGS IN DIFFERENT CLIMATES**
ŞENEL SOLMAZ A.

- XII. International HVACR and Sanitary Technology Symposium, İstanbul, Turkey, 31 March - 02 April 2016, pp.54-60
- IV. **The Effects of Sustainable Architecture Approaches on Usage of Innovations in Buildings**
Sürdürülebilir Mimarlık Yaklaşımlarının Binalarda Yeniliklerin Kullanılmasına Etkileri
ŞENEL SOLMAZ A., HALICIOĞLU F. H.
International Sustainable Building Symposium-ISBS 2010, Ankara, Turkey, 26 - 28 May 2012, pp.651-656
- V. **ASSOCIATIVE PARAMETRIC DESIGN AND FINANCIAL OPTIMISATION - CASH BACK 1.0 Parametric design for visualising and optimising return on investment for early stage design decision-making**
Gerber D., Elsheikh M. M., ŞENEL SOLMAZ A.
17th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA), Chennai, India, 25 - 28 April 2012, pp.47-56
- VI. **PARA-TYPING THE MAKING OF DIFFERENCE Associative parametric design methodologies for teaching the prototyping of material affect**
Gerber D., ŞENEL SOLMAZ A.
17th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA), Chennai, India, 25 - 28 April 2012, pp.233-242
- VII. **Design Optioneering: Multi-disciplinary Design Optimization through Parameterization, Domain Integration and Automation of a Genetic Algorithm**
Gerber D. J., Lin S. (., Pan B. (., ŞENEL SOLMAZ A.
Symposium on Simulation for Architecture and Urban Design (SimAUD 2012), Florida, United States Of America, 26 - 30 March 2012, vol.44, pp.32-39

Metrics

Publication: 14

Citation (WoS): 33

Citation (Scopus): 66

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H-Index (Scopus): 4