

Res. Asst. MURAT ALTUN

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2015 - Continues

Post Graduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2012 - 2015

Undergraduate Double Major, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2009 - 2013

Under Graduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2007 - 2012

Dissertations

Post Graduate, Model based building energy optimization using meta-heuristics, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2015

Research Areas

Evolutionary Computing, Neural Networks, Informatics in Construction Management, Construction Management, Optimization Theory and Methods

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2014 - Continues

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

- **Effect of envelope insulation on building heating energy requirement, cost and carbon footprint from a life-cycle perspective**
ALTUN M., Akgul Ç., Akcamete A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, pp.147-163, 2020 (Journal Indexed in SCI)
- **A modified approach to cross entropy method: Elitist stepped distribution algorithm**
Altun M., Pekcan O.
APPLIED SOFT COMPUTING, vol.58, pp.756-769, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- **A mixed integer programming method for multi-project resource leveling**
Altun M., Sönmez R., Akçamete Güngör A.
Journal of Construction Engineering, Management & Innovation, vol.3, pp.131-140, 2020 (National Refreed University Journal)
- **Dış sıcaklık verisinin bina ısıtma enerji gereksinimine etkisinin ve TS 825 derece-gün bölge kümelenmesinin geçerliliğinin incelenmesi**
ALTUN M., AKÇAMETE GÜNGÖR A., AKGÜL Ç.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, 2020 (Refereed Journals of Other Institutions)

Books & Book Chapters

- **A Hybrid Cuckoo Search Algorithm for Cost Optimization of Mechanically Stabilized Earth Walls**
Altun M., Yalcin Y., Pekcan O.
in: Applications of Cuckoo Search Algorithm and its Variants, Nilanjan Dey, Editor, Springer, London/Berlin , Singapore, pp.277-306, 2020

Refereed Congress / Symposium Publications in Proceedings

- **Application of TS 825 Turkish thermal insulation standard using BIM**
Altun M., Akçamete Güngör A.
International Civil Engineering Architecture Conference (ICEARC 2019), Trabzon, Turkey, 17 - 20 April 2019, pp.314-323
- **Multi-Project Multi-Resource Leveling Using Mixed Integer Programming**
ALTUN M., SÖNMEZ R., AKÇAMETE GÜNGÖR A.
IPCMC2018, 16 - 18 November 2018
- **A Method for Facilitating 4D Modeling by Automating Task Information Generation and Mapping**
ALTUN M., AKÇAMETE GÜNGÖR A.
35th CIB W78 2018 Conference IT in Design, Construction, and Management, Chicago, United States Of America, 1 - 03 October 2018
- **Analysis of Slopes Using Elitist Differential Evolution Algorithm**
YALÇIN Y., ALTUN M., PEKCAN O.
6th International Conference on Engineering Optimization, Lizbon, Portugal, 17 - 19 September 2018
- **Application of Artificial Neural Networks on Building Energy Estimation**
ALTUN M., ERSÖZ A. B., TEKE T., KURT T., AKÇAMETE GÜNGÖR A., PEKCAN O.
International Conference on Engineering Technologies, Konya, Turkey, 7 - 09 December 2017
- **Kaynak Dengeleme Problemine Öncelikli Diferansiyel Evrim Algoritmasıyla Bir Yaklaşım**
ALTUN M., SÖNMEZ R., AKÇAMETE GÜNGÖR A.
4. Proje ve Yapım Yönetimi Kongresi, Eskişehir, Turkey, 3 - 05 November 2016
- **Yapı Bilgi Modellemesi Tabanlı Bina Enerji Optimizasyonu**
ALTUN M., AKÇAMETE GÜNGÖR A.
4. Proje ve Yapım Yönetimi Kongresi, Eskişehir, Turkey, 3 - 05 November 2016
- **BIM based Multi Objective Building Life Cycle Energy Performance Evaluation Using Particle Swarm Optimization**
ALTUN M., AKÇAMETE GÜNGÖR A.
CIB W78 conference 2015, 27 - 29 October 2015
- **Yapay Arı Kolonisi Algoritmasının Zaman-Maliyet Ödünleşim Problemlerine Uygulanması**
ALTUN M., AKÇAMETE GÜNGÖR A.
3. Proje ve Yapım Yönetimi Kongresi, Turkey, 6 - 08 November 2014, pp.708-719
- **Economic Performance Analysis of Turkish Airports 2002-2009**

Altun M., Pekcan O.

1st International Aviation Management Conference, Ankara, Turkey, 7 - 08 December 2012

Scientific Refereeing

APPLIED SOFT COMPUTING, SCI Journal, July 2020

Citations

Total Citations (WOS):7

h-index (WOS):2

Awards

Altun M., Best Presenter, "International Conference On Engineering Technologies 2017" Konferansı Bilim Komitesi, April 2017