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Education Information

Post Doctorate, Université De Liège, Urban And Environmental Engineering, Construction Management, Belgium 2017 - 2017

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Yapı Mühendisliği, Turkey 2013 - 2015

Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği, Turkey 2007 - 2009

Undergraduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği, Turkey 2005 - 2008

Undergraduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Geomatik Mühendisliği, Turkey 2003 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, An activity based occupational safety risk assessment method integrated to project schedule in construction projects, İstanbul Teknik Üniversitesi, Yapı Mühendisliği, İnşaat Mühendisliği, 2015

Postgraduate, 3 Dimensional rendering using ArcGIS and NETCAD for a disaster management and meteorological early warning system, İstanbul Teknik Üniversitesi, Geomatik Mühendisliği, Geomatik Mühendisliği, 2009

Research Areas

Technical Sciences, Geotechnical Engineering, Geographic Information Systems, Land Information Systems, City Information Systems, Civil Engineering, Building Management, Informatics in Construction Management, Construction Management, 3D-Modeling

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2018 - Continues

Academic and Administrative Experience

Deputy Head of Department, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2020 - Continues

Staj Başkanı, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2018 - 2020

Courses

Health and Safety in Constructions, Undergraduate, 2021 - 2022

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

- I. **Current trends and future challenges in the performance assessment of adaptive facade systems**
Attia S., Bilir S., Safy T., Struck C., Loonen R., Goia F.
ENERGY AND BUILDINGS, vol.179, pp.165-182, 2018 (Journal Indexed in SCI)
- II. **A Method for Determination of Accident Probability in the Construction Industry**
Bilir S., Gürcanlı G. E.
TEKNIK DERGI, vol.29, no.4, pp.8537-8561, 2018 (Journal Indexed in SCI)
- III. **Activity based risk assessment and safety cost estimation for residential building construction projects**
Gürcanlı G. E. , Bilir S., Sevim M.
SAFETY SCIENCE, vol.80, pp.1-12, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **FIDIC Sözleşmeleri'ndeki Yeniliklerin Değerlendirilmesi ve Eski Versiyonlarla Karşılaştırılması**
Balkanlı Eryiğit N., Yaylan Sevimli B., GÜRCANLI G. E. , BİLİR MAHÇİÇEK S.
El-Cezeri Journal of Science and Engineering, vol.8, pp.504-518, 2021 (Other Refereed National Journals)

Books & Book Chapters

- I. **Adaptive Facades Performance Assessment, interviews with facade experts**
Attia S., BİLİR MAHÇİÇEK S., Safy T.
Univesity of Liege, Liege, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Productivity in the Construction Industry**
BİLİR MAHÇİÇEK S., GÜRCANLI G. E.
6th International Project and Construction Management Conference, İstanbul, Turkey, 12 November 2020, pp.641-644
- II. **Relative Importance of Productivity Factors in Construction Industry**
BİLİR MAHÇİÇEK S., GÜRCANLI G. E.
6th International Project and Construction Management Conference, İstanbul, Turkey, 12 November 2020, pp.645-650
- III. **Normative Regulations Used For Adaptive Facades**
BİLİR MAHÇİÇEK S.
6th International Project and Construction Management Conference, İstanbul, Turkey, 12 November 2020, pp.678-682
- IV. **Evaluation of Adaptive Facades: A case study of the Swiss School in Dubai**
Bilir Mahçicek S., Attia S.
Next Facades, Lucerne, Switzerland, 26 - 27 November 2018, pp.20-33
- V. **Performance Evaluation of Adaptive Facades: A case study with electrochromic glazing**
BİLİR MAHÇİÇEK S., Attia S.
Adaptive Facades Network Final Conference, Luzern, Switzerland, 26 - 27 November 2018, pp.315-324

- VI. **Change in Occupational Health and Safety Management System: ISO 45001:2018**
UZUN M., BİLİR MAHÇİÇEK S., GÜRCANLI G. E.
5th International Project and Construction Management Conference (IPCMC 2018), Cyprus (Kkct), 16 - 18 November 2018
- VII. **The New Severity Scale of Occupational Accidents for Construction Projects**
BİLİR MAHÇİÇEK S., GÜRCANLI G. E.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- VIII. **Hierarchy of Control Measures for Common Construction Activities: A Field Study**
UZUN M., BİLİR MAHÇİÇEK S., GÜRCANLI G. E. , ÇEBİ S.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- IX. **Adaptive Building Envelope Systems: A Literature Review**
BİLİR MAHÇİÇEK S.
5th international Project and Construction Management Conference (IPCMC2018), Girne, Cyprus (Kkct), 16 - 18 November 2018, pp.417-424
- X. **Calculation of Daily Occupational Safety Risk Scores for Construction Industry**
BİLİR MAHÇİÇEK S., GÜRCANLI G. E.
13th International Congress on Advances in Civil Engineering, 12 - 14 September 2018
- XI. **Performance Evaluation of Dynamic Facades**
BİLİR MAHÇİÇEK S., BAYRAKTAR M. E.
The Tenth International Conference on Construction in the 21st Century (CITC-10), 2 - 04 July 2018, pp.604-608
- XII. **A roadmap for capturing user-adaptive facade interaction**
Navarro A. L. , Loonen R., Attia S., BİLİR MAHÇİÇEK S., Juaristi M., Favoino F., Silva S. M. , Ricardo M., Almeida D. M. , Petrovski A., et al.
NE-XT facades cost action TU1403 adaptive facades network mid-term conference, Munich, Germany, 7 - 08 November 2017, pp.84-85
- XIII. **İŞ GÜVENLİĞİ ÇALIŞMALARI ÜZERİNE DETAYLI BİR LİTERATÜR ARAŞTIRMASI**
Bilir Mahçecek S., Gürcanlı G. E.
7. İnşaat Yönetimi Kongresi, Samsun, Turkey, 6 - 07 October 2017, pp.67-77
- XIV. **İş Güvenliği Çalışmaları Üzerine Detaylı Bir Literatür Araştırması**
BİLİR MAHÇİÇEK S., GÜRCANLI G. E.
Uluslararası Katılımlı 7. İnşaat Yönetimi Kongresi, 6 - 07 October 2017
- XV. **An Approach for Safety Cost Estimation of Building Constructions**
Gürcanlı G. E. , Bilir Mahçecek S.
ISEC-8 The Eighth International Structural Engineering and Construction, Sydney, Australia, 23 November 2015 - 28 November 2016, pp.869-874
- XVI. **Heavy Equipment Scheduling for Horizontal Construction Projects**
Gürcanlı G. E. , Bilir Mahçecek S., Türkoğlu H.
7th International Conference on Engineering, Project and Production Management (EPPM2016), Bialystok, Poland, 21 - 23 September 2016, pp.265-273
- XVII. **Determination of Activity Based Accident Frequencies in Building Construction Projects**
Gürcanlı G. E. , Bilir Mahçecek S.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.193
- XVIII. **A Method to Calculate the Accident Probabilities in Construction Industry Using a Poisson Distribution Model**
Gürcanlı G. E. , Bilir Mahçecek S.
AHFE 2016 International Conference on Safety Management and Human Factors, Florida, United States Of America, 27 - 31 July 2016, pp.513-523
- XIX. **AN APPROACH FOR SAFETY COST ESTIMATION OF BUILDING CONSTRUCTION**
BİLİR MAHÇİÇEK S., GÜRCANLI G. E.
The Eighth International Structural Engineering and Construction Conference, Sidney, Australia, 23 - 28 November 2015, pp.869-874

- XX. **İnşaatlarda Yeni Bir Risk Değerlendirme Yöntemi HRNS**
BİLİR MAHÇİÇEK S., GÜRANLI G. E.
5. İşçi Sağlığı ve İş Güvenliği Sempozyumu, İzmir, Turkey, 5 - 06 November 2015
- XXI. **İnşaat Sektöründe Faaliyet Tabanlı Maliyet Yönetimi Kullanılarak İş Güvenliği Maliyet Tahmini**
BİLİR MAHÇİÇEK S., GÜRANLI G. E.
5. İş Sağlığı ve İş Güvenliği Sempozyumu, İzmir, Turkey, 5 - 06 November 2015
- XXII. **Applicability of The Hazard Rating Number System in The Construction Industry**
Güranlı G. E. , Bilir Mahçecek S.
XXVIIth Annual International Occupational Ergonomics and Safety Conference, Nashville, United States Of America, 28 - 29 May 2015, pp.1-6
- XXIII. **Activity-Based Occupational Health and Safety Risk Assessment on Construction Projects**
Bilir Mahçecek S., Güranlı G. E.
INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 21 - 25 October 2014, pp.92
- XXIV. **The Comparison of Occupational Health and Safety Legislation of Different Countries from the View of Inspection**
BİLİR MAHÇİÇEK S., EMAD G., LİLİYA S.
The XXVIth Occupational Ergonomics and Safety Conference, El-Paraiso, United States Of America, 5 - 06 June 2014
- XXV. **Dünya'da ve Türkiye'de Yapı Makinaları Üretimi ve Makina Tiplerine Göre Kullanım Değerleri Üzerine Bir Araştırma**
Bilir Mahçecek S., Güranlı G. E.
4.İşçi Sağlığı ve İş Güvenliği Sempozyumu, Konya, Turkey, 1 - 03 November 2013, pp.26-36
- XXVI. **Türkiye'de ve Dünya'da Yapı Makinası Tiplerine Göre Şantiyelerde Meydana Gelen İş Kazaları ve Negatif Etkileri**
Bilir Mahçecek S., Güranlı G. E.
4.İşçi Sağlığı ve İş Güvenliği Sempozyumu, Konya, Turkey, 1 - 03 November 2013, pp.37-47
- XXVII. **GNSS İLE BİR ERKEN UYARI SİSTEMİ**
Bilir Mahçecek S.
II.ULUSAL BARAJ GÜVENLİĞİ SEMPOZYUMU, Eskişehir, Turkey, 13 - 15 May 2009, pp.251-261

Citations

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