

Prof. Esin Ergen Pehlevan

Personal Information

Email: ergenesi@itu.edu.tr

Education Information

Doctorate, Carnegie Mellon University, İnşaat Ve Çevre Müh. Bölümü, United States Of America 2001 - 2005

Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Yapı İşletmesi (YI), Turkey 1997 - 2001

Undergraduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1993 - 1997

Foreign Languages

English

Dissertations

Doctorate, Formalization of Life Cycle Information of Engineered-to-Order Components Using Advanced Tracking Technologies, Carnegie Mellon University, İnşaat Ve Çevre Müh. Bölümü, 2005

Postgraduate, Gayrimenkul Yatırım Ortaklıkları ve Türkiye Uygulaması, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Yapı İşletmesi (YI), 2001

Research Areas

Technical Sciences, Civil Engineering, Building Management, Informatics in Construction Management, Construction Management

Academic Titles / Tasks

Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2020 - Continues

Associate Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2013 - 2020

Assistant Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2006 - 2013

Research Assistant, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 1999 - 2006

Research Assistant, Carnegie Mellon University, Civil And Environmental Engineering, 2001 - 2005

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Rektörlük, 2009 - 2012

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

- I. Implementation of a BIM-FM Platform at an International Airport Project: Case Study

Kula B., Ergen Pehlevan E.

Journal of Construction Engineering and Management, vol.147, no.4, 2021 (Journal Indexed in SCI)

- II. **Determining the level of development for BIM implementation in large-scale projects A multi-case study**
Alshorafa R., Ergen Pehlevan E.
ENGINEERING CONSTRUCTION AND ARCHITECTURAL MANAGEMENT, vol.28, no.1, pp.397-423, 2021 (Journal Indexed in SCI)
- III. **Formalization of Occupant Feedback and Integration with BIM in Office Buildings**
Ergen Pehlevan E., Kula B., Guven G., Artan D.
Journal of Computing in Civil Engineering, vol.35, 2021 (Journal Indexed in SCI)
- IV. **Structural Equation Model of Occupant Satisfaction for Evaluating the Performance of Office Buildings**
Tekçe I., Ergen Pehlevan E., Artan D.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.45, pp.8759-8784, 2020 (Journal Indexed in SCI)
- V. **A decision making support tool for selecting green building certification credits based on project delivery attributes**
Seyis S., Ergen E.
BUILDING AND ENVIRONMENT, vol.126, pp.107-118, 2017 (Journal Indexed in SCI)
- VI. **Identification of Waste Types and Their Root Causes in Green-Building Project Delivery Process**
Seyis S., ERGEN E., PIZZI E.
JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT, vol.142, no.2, 2016 (Journal Indexed in SCI)
- VII. **Blockage assessment of buildings during emergency using multiple types of sensors**
Ergen E., GUVEN G., KURÇ Ö., ERBERİK M. A. , Ergin T., BİRGÖNÜL M. T. , Akinci B.
Automation in Construction, vol.49, pp.71-82, 2015 (Journal Indexed in SCI Expanded)
- VIII. **Analyzing the benefits of RFID technology for cost sharing in construction supply chains: A case study on prefabricated precast components**
Demiralp G., GUVEN G., ERGEN E.
AUTOMATION IN CONSTRUCTION, vol.24, pp.120-129, 2012 (Journal Indexed in SCI)
- IX. **Sensing and Field Data Capture for Construction and Facility Operations**
Taneja S., Akinci B., Garrett J. H. , Soibelman L., ERGEN E., Pradhan A., Tang P., Berges M., Atasoy G., Liu X., et al.
JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT-ASCE, vol.137, no.10, pp.870-881, 2011 (Journal Indexed in SCI)
- X. **Local Information Access for Search and Rescue Using Wireless Data Storage Mediums**
Ergen E., SARIEL-TALAY S., GUVEN G., AVDAN G.
JOURNAL OF COMPUTING IN CIVIL ENGINEERING, vol.25, no.4, pp.263-274, 2011 (Journal Indexed in SCI)
- XI. **Identification of local information items needed during search and rescue following an earthquake**
Guvén G., ERGEN E.
DISASTER PREVENTION AND MANAGEMENT, vol.20, no.5, pp.458-472, 2011 (Journal Indexed in SSCI)
- XII. **Technological Assessment of Radio Frequency Identification Technology for Indoor Localization**
Pradhan A., ERGEN E., Akinci B.
JOURNAL OF COMPUTING IN CIVIL ENGINEERING, vol.23, no.4, pp.230-238, 2009 (Journal Indexed in SCI)
- XIII. **Formalization of the flow of component-related information in precast concrete supply chains**
Ergen E., Akinci B.
JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT-ASCE, vol.134, no.2, pp.112-121, 2008 (Journal Indexed in SCI)
- XIV. **Life-cycle data management of engineered-to-order components using radio frequency identification**
Ergen E., AKINCI B., SACKS R.
ADVANCED ENGINEERING INFORMATICS, vol.21, no.4, pp.356-366, 2007 (Journal Indexed in SCI)
- XV. **Tracking and locating components in a precast storage yard utilizing radio frequency identification technology and GPS**
Ergen E., AKINCI B., SACKS R.

AUTOMATION IN CONSTRUCTION, vol.16, no.3, pp.354-367, 2007 (Journal Indexed in SCI)

XVI. **Tracking components and maintenance history within a facility utilizing radio frequency identification technology**

Ergen E., AKINCI B., EAST B., KIRBY J.

JOURNAL OF COMPUTING IN CIVIL ENGINEERING, vol.21, no.1, pp.11-20, 2007 (Journal Indexed in SCI)

XVII. **Modeling and analyzing the impact of technology on data capture and transfer processes at construction sites: A case study**

Akinci B., KIZILTAS S., ERGEN E., KARAESMEN I. Z. , KECELI F.

JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT-ASCE, vol.132, no.11, pp.1148-1157, 2006 (Journal Indexed in SCI)

XVIII. **Automating the task of tracking the delivery and receipt of fabricated pipe spools in industrial project**

Song J., Haas C., Caldas C., Ergen Pehlevan E., Akinci B.

AUTOMATION IN CONSTRUCTION, vol.15, no.2, pp.166-177, 2006 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

I. **Tracking major resources for automated progress monitoring of construction activities: masonry work case**

Güven G., Ergen Pehlevan E.

CONSTRUCTION INNOVATION-ENGLAND, 2021 (Journal Indexed in ESCI)

II. **Identification of information requirements for implementing Building Information Modeling based on model uses**

Alshorafa R., Ergen Pehlevan E.

Journal of Information technology in construction, vol.25, pp.561-574, 2020 (Journal Indexed in ESCI)

III. **A RULE-BASED METHODOLOGY FOR AUTOMATED PROGRESS MONITORING OF CONSTRUCTION ACTIVITIES: A CASE FOR MASONRY WORK**

Güven G., Ergen Pehlevan E.

JOURNAL OF INFORMATION TECHNOLOGY IN CONSTRUCTION, vol.24, pp.188-208, 2019 (Journal Indexed in ESCI)

IV. **Diffusion of green building guidelines as innovation in developing countries**

Mollaoglu S., Chergia C., Ergen Pehlevan E., Syal M.

CONSTRUCTION INNOVATION-ENGLAND, vol.16, no.1, pp.11-29, 2016 (Journal Indexed in ESCI)

V. **Relationship between height and footprint area with cost for tunnel form high-rise buildings**

Turkel E. B. , Ergen Pehlevan E.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.22, no.6, pp.418-426, 2016 (Journal Indexed in ESCI)

VI. **BIM for building refurbishment and maintenance: current status and research directions**

İlter D., Ergen Pehlevan E.

Structural Survey, vol.33, no.3, pp.228-256, 2015 (Refereed Journals of Other Institutions)

VII. **Factors Affecting the Selection of Data Storage Approach in Radio Frequency Identification Applications**

Güven G., Ergen Pehlevan E.

Construction Innovation: Information, Process, Management, vol.13, no.1, pp.120-129, 2013 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **An Empirical Study of Visual Comfort in Office Buildings**

Tekçe I., Artan D., Ergen Pehlevan E.

International Conference on Smart Sustainable Technologies Incorporating Sustainable Design and Manufacturing & Sustainability in Energy and Buildings, Split, Croatia, 09 September 2020

- II. **A Case Study on Common Grounds of Building Information Modelling (BIM) and Lean Construction: Dudullu – Bostancı Metro Line**
Ergen Pehlevan E., Akarcalı G. Z.
6th International Project and Construction Management Conference (e-IPCMC 2020), 12 - 14 November 2020, pp.546-554
- III. **Investigation of BIM-FM Approaches**
Ergen Pehlevan E., Kula B.
6th International Project and Construction Management Conference (e-IPCMC 2020), İstanbul, Turkey, 12 - 14 November 2020, pp.1153-1163
- IV. **Ofis Binalarında İç Mekan Hava Kalitesi ve Kullanıcı Memnuniyetinin Değerlendirilmesi**
Tekçe I., Ergen Pehlevan E., Artan D.
International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering, Hatay, Turkey, 13 June - 15 July 2019
- V. **Construction progress visualisation for varied stages of the individual elements with BIM: A case study**
kazado d., Kavgiç M., ERGEN PEHLEVAN E.
European Conference on Computing in Civil Engineering, 12 - 14 June 2019
- VI. **Acoustical Comfort in Office Buildings**
ARTAN D., ERGEN PEHLEVAN E., TEKÇE I.
7th Annual International Conference on Architecture and Civil Engineering (ACE 2019), 27 - 28 May 2019
- VII. **BIM Adoption in Metro Projects: Challenges and Lessons Learned**
Kazaz B., Alemdar A. S., Murteza M., ERGEN PEHLEVAN E.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- VIII. **Assessment of the Capabilities of Commercial Tools to Develop 4D/5D Models**
Yeşilyurt M., ERGEN PEHLEVAN E.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- IX. **A Critical Review of Post-Occupancy Evaluation (POE) Tools**
ARTAN D., ERGEN PEHLEVAN E., Dönmez D., TEKÇE I.
5th International Project and Construction Management Conference (IPCMC2018), 16 - 18 November 2018
- X. **Identification of Queries for Decision Making in Building Operation and Maintenance**
ARTAN D., Yılmaz N., ERGEN PEHLEVAN E.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- XI. **BIM Implementation in Infrastructure Projects: Benefits and Challenges**
Öktem S., AKÇAMETE GÜNGÖR A., ERGEN PEHLEVAN E.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- XII. **A Bibliographic Review of Internet of Things in the Construction Industry**
Sanam R., ERGEN PEHLEVAN E., GÜNAYDIN H. M.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- XIII. **Building Information Modelling for Performing Automated Quantity Take-Off**
KULA B., ARTAN D., ERGEN PEHLEVAN E.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- XIV. **Integrating Facilities Management Data in Building Information Modelling**
KULA B., GÜVEN İŞİN G., ARTAN D., ERGEN PEHLEVAN E.
5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
- XV. **Review of Classification Systems for Facilities Management**
Kula B., Ergen Pehlevan E.
13th Advances in Civil Engineering Congress "ACE 2018", İzmir, Turkey, 12 - 14 September 2018, pp.1
- XVI. **Modelling Information Flow of Occupant Feedback in Office Buildings**
ARTAN D., Dönmez D., TEKÇE I., ERGEN PEHLEVAN E.

35th International Symposium on Automation and Robotics in Construction (ISARC 2018), 20 - 25 July 2018

- XVII. Ofis Binalarında Bina Yönetim Hizmetleri ve Kullanıcı Memnuniyeti**
Tekçe I., Artan D., Ergen Pehlevan E.
Uluslararası katılımlı 7.İnşaat Yönetimi Kongresi, Samsun, Turkey, 6 - 07 October 2017
- XVIII. Bina İç Mekanlarında Konumlandırma Teknolojilerinin Kullanıcı Geri Bildirimleri Toplanması Açısından Değerlendirilmesi**
ERGEN PEHLEVAN E., ARTAN D., TEKÇE I., KULA B., DÖNMEZ D.
Uluslararası katılımlı 7.İnşaat Yönetimi Kongresi, 6 - 07 October 2017
- XIX. Lazer Tarayıcı Teknolojisinin Yapım Yönetiminde Kullanım Alanları**
KULA B., ERGEN PEHLEVAN E.
Uluslararası Katılımlı 7. İnşaat Yönetimi Kongresi, 6 - 07 October 2017
- XX. İhale ve İnşaat Öncesi Dönemde Güncel Alternatif Maliyet Analizi Yöntemlerinin İncelenmesi**
Baltasi S., ERGEN E., Akbas R.
Uluslararası Katılımlı 7. İnşaat Yönetimi Kongresi, 6 - 07 October 2017
- XXI. Building Information Management Education in Construction Management**
Kazaz B., ERGEN E.
Uluslararası Katılımlı 7. İnşaat Yönetimi Kongresi, 6 - 07 October 2017
- XXII. BIM'e Geçiş Sürecinin Operasyonel Çerçevesi**
Oktem S., ERGEN E.
Uluslararası Katılımlı 7. İnşaat Yönetimi Kongresi, 6 - 07 October 2017
- XXIII. Progress monitoring of masonry work via resource tracking using sensor based technologies**
Güven G., ERGEN E.
Joint Conference on Computing in Construction (JC3), 4 - 07 July 2017
- XXIV. Sensor-Based Resource Tracking for Monitoring the Progress of Rebar Installation**
Güven G., Ergen Pehlevan E.
ASCE International Workshop on Computing in Civil Engineering (IWCCE), Washington, United States Of America, 25 - 27 June 2017, pp.368-375
- XXV. BIM'e Geçiş Sürecinin Organizasyonel Çerçevesi**
Öktem S., Ergen Pehlevan E.
4. Proje ve Yapım Yönetimi Kongresi, İstanbul, Turkey, 3 - 05 November 2016, pp.852-862
- XXVI. Çift Vardiyalı Şantiyelerde Aktivite İlerlemelerinin Algılayıcı Tabanlı Veri Takip Teknolojileri ile Tespit Edilmesi**
Güven G., Ergen Pehlevan E.
"4. Proje ve Yapım Yönetimi Kongresi, Eskişehir, Turkey, 3 - 05 November 2016, pp.806-817
- XXVII. Determining Level of Development LOD for Building Information Modeling**
Alshorafa R., ERGEN E.
12th International Conference on Advances in Civil Engineering, 21 - 23 September 2016
- XXVIII. Towards Developing Building Information Modeling BIM Guide and Execution Plan Template for Turkish Construction Sector**
Öktem S., ERGEN E.
12th International Conference on Advances in Civil Engineering, 21 - 23 September 2016
- XXIX. Toward an Occupant Satisfaction Measure for Office Building Retrofits**
Artan D., Tekçe I., Ergen Pehlevan E., Seyis S.
CIB World Building Congress 2016, Tampere, Finland, 30 May - 03 June 2016, pp.1-12
- XXX. Analysis of the information flow from BIM to energy simulation programs**
Artan D., Ergen Pehlevan E.
Organization, Technology and Management in Construction (OTMC), Primosten, Croatia, 2 - 05 September 2015, pp.1-10
- XXXI. Delphi Technique-Based Multi Criteria Decision Making Approach for Credit Selection in Green Building Certification Process**
Seyis S., Ergen Pehlevan E., Pizzi E.

- 40th IAHS World Congress on Housing, Funchal, Portugal, 16 - 19 December 2014, pp.1-10
- XXXII. **Bina İnşaat Projelerinde Kullanılan Otomasyon ve Robotik Teknolojileri**
Güven G., Ergen Pehlevan E., Enshassi M.
3. Proje ve Yapım Yönetimi Kongresi, Antalya, Turkey, 06 November 2014 - 08 November 2016, pp.930-942
- XXXIII. **Sürdürülebilir Tasarım ve Yapım Süreçlerinde Ortaya Çıkan Kayıpların İncelenmesi**
Seyis S., Ergen Pehlevan E.
3. Proje ve Yapım Yönetimi Kongresi, Antalya, Turkey, 6 - 08 November 2014, pp.71-83
- XXXIV. **Saha İmalat Kontrollerinde Bilgi Akışının Taşınabilir Aygıtlar Yardımıyla İyileştirilmesi**
Atlı K., Ergen Pehlevan E.
3. Proje ve Yapım Yönetimi Kongresi, Antalya, Turkey, 6 - 08 November 2014, pp.563-572
- XXXV. **Analyzing the Relation Between Height and Cost of High-Rise Buildings in Istanbul**
Ergen Pehlevan E., Turkel B.
11th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 25 October 2014, pp.1-10
- XXXVI. **Calculating the Benefits of Building Information Modeling**
Oktem S., Ergen Pehlevan E.
11th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 25 October 2014, pp.1-10
- XXXVII. **Utilizing Field Data Capture Technologies for Monitoring Activities in Double Shift Construction Projects**
Güven G., Ergen Pehlevan E.
ASCE Computing in Civil and Building Engineering, Orlando, United States Of America, 23 - 25 June 2014, pp.1-10
- XXXVIII. **A Review: Waste types in Sustainable Construction Projects**
Seyis S., Ergen Pehlevan E., Pizzi E.
39th World Congress on Housing Sciences (IAHS), Milan, Italy, 17 - 20 September 2013, pp.1-10
- XXXIX. **Multisensor Data Fusion for Determining Hallway Blockages in a Building During Evacuation**
Güven G., Ergen Pehlevan E., Özbaş B., Altuğ Erberik M., Kurç Ö., Birgönül M. T.
2013 ASCE International Workshop on Computing in Civil Engineering, Los Angeles, United States Of America, 23 - 25 June 2013, pp.717-724
- XL. **Representation of Topological Building Information For Creating Shortest Evacuation Paths during Building Emergencies**
Güven G., Ayhan M., Ergen Pehlevan E., Sönmez T., Kurç Ö., Altuğ Erberik M., Birgönül M. T.
10th Int. Conference on Advances in Civil Engineering, Ankara, Turkey, 17 - 19 October 2012, pp.1-10
- XLI. **Yapı bilgi modellemesi kullanımının ülkeler açısından incelenmesi**
Altınöz H., Ergen Pehlevan E.
2. Proje ve Yapım Yönetimi Kongresi, İzmir, Turkey, 13 - 16 September 2012, pp.163-171
- XLII. **Bina içi yönlendirme sistemlerinde kullanılan en kısa yol algoritmalarının afet ve acil durum yönetimi açısından değerlendirilmesi**
Ayhan M., Ergen S., Güven G., Ergen Pehlevan E., Erberik M. A. , Kurç Ö., Birgönül M. T.
2. Proje ve Yapım Yönetimi Kongresi, İzmir, Turkey, 13 - 16 September 2012, pp.163-171
- XLIII. **Yurt dışında faaliyet gösteren Türk yüklenici firmalarının başarı faktörlerinin incelenmesi**
Baltaş G. S. , Ergen Pehlevan E.
2. Proje ve Yapım Yönetimi Kongresi, İzmir, Turkey, 13 - 16 September 2012, pp.163-171
- XLIV. **Post-disaster sensor-based condition assessment of buildings to develop evacuation strategies**
Ergin T., Altuğ Erberik M., Kurç Ö., Birgönül M. T. , Baltasi S., Ergen Pehlevan E.
The 14th International Conference on Computing in Civil and Building Engineering, Moskova, Russia, 27 - 29 June 2012, pp.1-10
- XLV. **Proving guidance for evacuation during emergency based on a real-time damage and vulnerability assesment of facilities**
Güven G., Ergen Pehlevan E., Altuğ Erberik M., Kurç Ö., Birgönül M. T.
ASCE International Conference on Computing in Civil Engineering, Florida, United States Of America, 17 - 20 June 2012, pp.586-593
- XLVI. **Determining the requirements of indoor navigation during emergency response and disaster**

management

Ayhan M., Güven G., Ergen Pehlevan E., Altuğ Erberik M., Kurç Ö., Birgönül M. T.

38th IAHS World Congress on Housing, Istanbul, İstanbul, Turkey, 16 - 19 April 2012, pp.1-10

XLVII. Investigation of price banks and life cycle inventories for pan-European life cycle cost analysis system

Ergen Pehlevan E., Dikbaş A., Tekçe I., Artan D., Giritli H., Jablonski M., Kowalska A.

CIB W078 2011- IT for Construction Conference, Sophia Antipolis, France, 26 - 28 October 2011, pp.1-10

XLVIII. Determining the benefits of an RFID-based system for tracking pre-fabricated components in a supply chain

Ergen Pehlevan E., Demiralp G., Güven G.

ASCE International Workshop on Computing in Civil Engineering, Florida, United States Of America, 19 - 22 June 2011, pp.1-10

XLIX. Determination and costing of sustainable construction projects: option based decision support

Vennström A., Olofsson T., Fawcett W., Dikbaş A., Ergen Pehlevan E.

26th CIB W078 Conference on Applications of IT in the AEC Industry, Cairo, Egypt, 16 - 19 November 2010, pp.1-10

L. Nehir Tipi Hidroelektrik Santral Yatırımlarında Karşılaşılan Risklerin Belirlenmesi

Çaylıdemirci M., Ergen Pehlevan E.

1. Proje Yapım ve Yönetimi Kongresi, Ankara, Turkey, 29 September - 01 October 2010, pp.1-10

LI. Ekonomik Krizlerin Türk İnşaat Sektörüne Etkilerinin Değerlendirilmesi

Karaca S., Ergen Pehlevan E.

1. Proje Yapım ve Yönetimi Kongresi, Ankara, Turkey, 29 September - 01 October 2010, pp.1-10

LII. GIS based decision support system for health and safety management in linear projects

Atay H., Ergen Pehlevan E., Toz G.

The International Conference on Computing in Civil and Building Engine, Nottingham, United Kingdom, 30 June - 02 July 2010, pp.1-10

LIII. A model-based and RFID integrated approach to streamline component information flow in construction projects

Kızıldaş S., Akçay C., Ergen Pehlevan E.

The International Conference on Computing in Civil and Building Engine, Nottingham, United Kingdom, 30 June - 02 July 2010, pp.1-10

LIV. Evaluation of RFID and Wireless Sensor Technologies for Local Search and Rescue Data Storage

Avdan G., Ergen Pehlevan E., Eroğlu Ç., Sariel-Talay S.

International Symposium on Robotics and Intelligent Sensors (IRIS), Nagoya, Japan, 8 - 11 March 2010, pp.135-140

LV. İnşaat projelerinde örgüt içi çatışmanın nedenleri ve boyutlarının belirlenmesi

Ergen Pehlevan E., Genç M., Uzunçarşılı Ü.

5. Yapı İşletmesi/Yapım Yönetimi Kongresi, Eskişehir, Turkey, 22 - 23 October 2009, pp.317-327

LVI. Assessing the need for storing data on Radio Frequency Identification (RFID) Tags

Ergen Pehlevan E., Güven G.

26th International CIB W078 Conference - Managing IT in Construction, İstanbul, Turkey, 1 - 03 October 2009, pp.171-180

LVII. Providing Local Information for Search and Rescue Using Wireless Sensor Networks

Ergen Pehlevan E., Sariel-Talay S., Güven G.

Proceedings of the 2009 Int. Workshop on Computing in Civil Engineering, Texas, United States Of America, 24 - 27 June 2009, pp.43-52

LVIII. Evaluating Innovation Performance of Countries in the Construction Industry by Using Patent Data

Ergen Pehlevan E., Başpınar C.

5th International Conference on Construction in the 21st Century, İstanbul, Turkey, 20 - 22 May 2009, pp.1-8

LIX. Sensor-Based Data Storage for Search and Rescue

Talay S. S. , Ergen Pehlevan E., Avdan G., Eroglu C.

International Conference on Intelligent Sensors, Sensor Networks and Information Processing, Sydney, Australia, 15 - 18 December 2008, pp.7-8

- LX. **Utilizing Advanced Storage Technologies for Providing Local Information to Rescue Teams Following an Earthquake**
Seyis S., Ergen Pehlevan E.
5th International Conference on Innovation in Architecture, Engineering, Antalya, Turkey, 23 - 25 June 2008, pp.1-10
- LXI. **A Proposed System Architecture for Context Identification Support on Construction Sites**
Boukamp F., Ergen Pehlevan E.
5th International Conference on Innovation in Architecture, Engineering, Antalya, Turkey, 23 - 25 June 2008, pp.1-10
- LXII. **An Overview of Approaches for Utilizing RFID in Construction Industry**
Ergen Pehlevan E., Akinci B.
First Annual RFID Eurasia Conference, İstanbul, Turkey, 09 May 2007 - 09 June 2008, pp.1-10
- LXIII. **Bilgi Akışının Modellendiği Simülasyonları Geliştirmede Karşılaşılan Güçlükler**
Ergen Pehlevan E., Akinci B.
4. İnşaat Yönetimi Kongresi, İstanbul, Turkey, 30 - 31 October 2007, pp.1-10
- LXIV. **Locating Building Components within a Facility Using Radio Frequency Identification Technology**
Ergen Pehlevan E., Akinci B.
11th International Conference on Computing in Civil and Building Engineering, Montreal, Canada, 14 - 06 June 2007, pp.1-10
- LXV. **Utilization of Radio-Frequency Identification Tags (RFID) for Transportation Infrastructure Management: Tracking Engineered-To-Order Elements and Materials throughout their Life-Cycles**
Ergen Pehlevan E., Akinci B.
Transportation Research Board, Washington, United States Of America, 21 - 25 January 2007, pp.1-10
- LXVI. **Field trials of RFID technology for tracking prefabricated pipe spools**
Song J., Caldas C., Ergen Pehlevan E., T. Haas C., Akinci B.
International Symposium on Automation and Robotics in Construction, Jeju, South Korea, 21 - 24 September 2004, pp.1-10
- LXVII. **Formalization and automation of effective tracking and locating of precast components in a storage yard**
Ergen Pehlevan E., Akinci B., Sacks R.
E-Activities and Intelligent Support in Design and the Built Environment, İstanbul, Turkey, 8 - 10 October 2003, pp.1-10
- LXVIII. **Utilizing Radio Frequency Identification on Precast Concrete Components - Supplier's Perspective**
Akinci B., Patton M., Ergen Pehlevan E.
Nineteenth International Symposium on Automation and Robotics in Construction, Washington, United States Of America, 23 - 25 September 2003, pp.1-10
- LXIX. **3D modeling and real-time monitoring in support of lean production of engineered-to-order precast concrete buildings**
Sacks R., Ergen Pehlevan E., Akinci B.
Eleventh Annual Conference of the International Group for Lean Construction, Blacksburg, United States Of America, 22 - 24 July 2003, pp.1-10
- LXX. **Assessment of the capabilities of a commercial 4D CAD system to visualize equipment space requirements on construction sites**
Akinci B., Tantisevi K., Ergen Pehlevan E.
Construction Research Congress, 19 - 21 March 2003, pp.1-10
- LXXI. **The Effect of Economical Development on Project Management in Developing Countries**
KURUOĞLU M., ERGEN PEHLEVAN E.
Challenges Facing the Construction Industry in Developing Countries, Gaborone, Botswana, 1 - 05 January 2000

Supported Projects

Ergen Pehlevan E., Kula B., Project Supported by Higher Education Institutions, Tesis Yönetiminde Yapı Bilgi Modellemesinin Kullanılması, 2017 - 2019

Ergen Pehlevan E., Project Supported by Higher Education Institutions, A. Review Waste Types in Sustainable Construction Projects, 2013 - 2018

Ergen Pehlevan E., Project Supported by Higher Education Institutions, GIS BASED DECISION SUPPORT SYSTEM FOR HEALTH AND SAFETY MANGEMENT IN LINEAR, 2010 - 2018

Ergen Pehlevan E., Project Supported by Higher Education Institutions, PROVIDING LOCAL INFORMATION FOR SEARCH AND RESCUE USING WIRELESS SENSOR NETWORKS, 2009 - 2018

Ergen Pehlevan E., Project Supported by Higher Education Institutions, Tünel Kalıp Kullanılan Projelerde Yapı Özelliklerinin Birim Maliyete Olan Etkilerinin Belirlenmesi, 2014 - 2016

Activities in Scientific Journals

Journal Of Computing In Civil Engineering, Assistant Editor, 2009 - Continues

Memberships / Tasks in Scientific Organizations

buildingSmart Türkiye, Chairman of the Executive Board, 2018 - Continues, Turkey

European Council on Computing in Civil Engineering (EC3), Vice President, 2017 - Continues, Belgium

Citations

Total Citations (WOS):450

h-index (WOS):9

Awards

Mollaoglu-Korkmaz S., Chergia C., Ergen Pehlevan E., Syal M., Highly Commended paper in the 2017 Emerald Literati Network Awards for Excellence , Emerald , January 2018

Artan D., Ergen Pehlevan E., Outstanding paper in the 2016 Emerald Literati Network Awards for Excellence, Emerald, January 2017

Ergen Pehlevan E., FIATECH CETI Outstanding Mind Mansiyon Ödülü, Fiatech (Fully Integrated And Automated Technologies) , April 2006