

Assoc. Prof. PEKİN ERHAN EREN

Personal Information

Office Phone: [+90 312 210 3741](tel:+903122103741)

Fax Phone: [+90 312 210 3745](tel:+903122103745)

Email: ereren@metu.edu.tr

Web: <https://avesis.metu.edu.tr/ereren>

Education Information

Doctorate, University Of Rochester, Elektrik Mühendisliği, United States Of America 1995 - 2002

Under Graduate, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1990 - 1994

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Object-Based Digital Video Analysis and Manipulation For Multimedia Applications, University Of Rochester, Elektrik Mühendisliği, 2002

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Graduate School of Informatics, Information Systems, 2018 - Continues

Assistant Professor, Middle East Technical University, Graduate School of Informatics, Information Systems, 2008 - 2018

Lecturer, Middle East Technical University, Graduate School of Informatics, Information Systems, 2006 - 2008

Professional Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Middle East Technical University, Graduate School Of Informatics, Information Systems, 2020 - Continues

Courses

TECHNOLOGY ENTREPRENEURSHIP AND LEAN STARTUPS, Post Graduate, 2019 - 2020

DATA-DRIVEN ORGANIZATIONS, Post Graduate, 2019 - 2020

Advising Theses

EREN P. E. , A context aware notification framework based on distributed focused crawling, Post Graduate, M.ALİ(Student), 2017

EREN P. E. , A quality model for cloud-based enterprise information systems, Post Graduate, U.ŞENER(Student), 2016

EREN P. E. , A promotion-aware purchase decision aid for consumers, Post Graduate, K.AKHÜSEYİNOĞLU(Student), 2016

EREN P. E. , MobileCDP: A mobile framework for the consumer decision process, Doctorate, S.ÖZARSLAN(Student), 2015

EREN P. E. , A context-aware and workflow-based framework for pervasive environments, Doctorate, B.AVENOĞLU(Student), 2014

EREN P. E. , A context-aware mobile event notification system using the publish-subscribe model with a business rule engine and linked data, Post Graduate, M.GÜRGAH(Student), 2014

EREN P. E. , A flexible semantic service composition framework for pervasive computing environments, Post Graduate, M.ÖZPINAR(Student), 2014

EREN P. E. , A workflow-based mobile guidance framework for managing personal activities, Post Graduate, G.TÜYSÜZ(Student), 2013

YARMAN VURAL F. T. , EREN P. E. , Self-supervised building detection with decision fusion, Doctorate, Ç.ŞENARAS(Student), 2013

EREN P. E. , A multimodal sensor analysis framework for vehicular mobile applications, Post Graduate, F.ORHAN(Student), 2013

EREN P. E. , Modelling mobile telecommunications services for forecasting purposes: A cross-country analysis, Post Graduate, E.ESER(Student), 2012

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, December, 2019

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

- **Public Personnel Management Process Capability Assessment**
GÖKALP E., DEMİRÖRS O., EREN P. E.
PUBLIC PERSONNEL MANAGEMENT, vol.49, pp.111-140, 2020 (Journal Indexed in SSCI)
- **MobileCDP: A mobile framework for the consumer decision process**
Ozarlan S., EREN P. E.
INFORMATION SYSTEMS FRONTIERS, vol.20, pp.803-824, 2018 (Journal Indexed in SCI)
- **What installed mobile applications tell about their owners and how they affect users' download behavior**
ÜNAL P., Temizel T., EREN P. E.
TELEMATICS AND INFORMATICS, vol.34, pp.1153-1165, 2017 (Journal Indexed in SSCI)
- **A hybrid approach for predicting customers' individual purchase behavior**
Peker S., KOÇYİĞİT A., EREN P. E.
KYBERNETES, vol.46, pp.1614-1631, 2017 (Journal Indexed in SCI)
- **LRFMP model for customer segmentation in the grocery retail industry: a case study**
Peker S., KOÇYİĞİT A., EREN P. E.
MARKETING INTELLIGENCE & PLANNING, vol.35, pp.544-559, 2017 (Journal Indexed in SSCI)
- **An adaptive mobile cloud computing framework using a call graph based model**
Kaya M., KOÇYİĞİT A., EREN P. E.
JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, vol.65, pp.12-35, 2016 (Journal Indexed in SCI)

Articles Published in Other Journals

● **Acceptance of Virtual Reality Games: A Multi-Theory Approach**

Kosa M., Uysal A., EREN P. E.

INTERNATIONAL JOURNAL OF GAMING AND COMPUTER-MEDIATED SIMULATIONS, vol.12, pp.43-70, 2020

(Journal Indexed in ESCI)

● **DİJİTAL DÖNÜŞÜMÜN ETKİSİNDE VERİMLİ İSTİHDAM YÖNETİMİ: YOL HARİTASI ÖNERİSİ**

GÖKALP E., GÖKALP M. O. , ÇOBAN S., EREN P. E.

Verimlilik Dergisi, pp.201-222, 2019 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

● **A reference model for personal process management (PPM) Systems**

Oruc S., Eren P. E. , Koçyiğit A.

14th Iberian Conference on Information Systems and Technologies, CISTI 2019, Coimbra, Portugal, 19 - 22 June 2019

● **A Taxonomy for Personal Processes: Results from a Semi-structured Interview**

Oruç S., Eren P. E. , Koçyiğit A., Yeralan S.

18th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2019, Trondheim, Norway, 18 - 20 September 2019, pp.771-782

● **Predictive Maintenance in Healthcare Services with Big Data Technologies**

Coban S., GÖKALP M. O. , Gokalp E., EREN P. E. , KOÇYİĞİT A.

11th IEEE International Conference on Service-Oriented Computing and Applications (SOCA), Paris, France, 19 - 22 November 2018, pp.93-98

● **A Workflow and Cloud Based Service-Oriented Architecture for Distributed Manufacturing in Industry 4.0 Context**

KAYABAY K., GÖKALP M. O. , EREN P. E. , KOÇYİĞİT A.

11th IEEE International Conference on Service-Oriented Computing and Applications (SOCA), Paris, France, 19 - 22 November 2018, pp.88-92

● **Analysing Opportunities and Challenges of Integrated Blockchain Technologies in Healthcare**

Gokalp E., GÖKALP M. O. , Coban S., EREN P. E.

11th SIGSAND/PLAIS EuroSymposium on Systems Analysis and Design (SIGSAND/PLAIS EuroSymposium), Gdansk, Poland, 20 September 2018, vol.333, pp.174-183

● **A methodology for product segmentation using sale transactions**

Peker S., KOÇYİĞİT A., Erhan Eren P. E.

41st International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2018, Opatija, Croatia, 21 - 25 May 2018, pp.1249-1253

● **An empirical comparison of customer behavior modeling approaches for shopping list prediction**

Peker S., KOÇYİĞİT A., Erhan Eren P. E.

41st International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2018, Opatija, Croatia, 21 - 25 May 2018, pp.1220-1225

● **Development of an Assessment Model for Industry 4.0: Industry 4.0-MM**

Gokalp E., ŞENER U., EREN P. E.

17th International Conference on Software Process Improvement and Capability Determination (SPICE), Palma de Mallorca, Spain, 4 - 05 October 2017, vol.770, pp.128-142

● **A Context Aware Notification Architecture Based on Distributed Focused Crawling in the Big Data Era**

AKYOL M. A. , GÖKALP M. O. , KAYABAY K., EREN P. E. , KOÇYİĞİT A.

14th European, Mediterranean, and Middle Eastern Conference (EMCIS), Coimbra, Portugal, 7 - 08 September 2017, vol.299, pp.29-39

● **Exploring behavior change features for mobile workout applications**

ÜNAL P., Cavdar S. K. , Temizel T., EREN P. E. , IYENGAR S.

14th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2017, Prague, Czech Republic, 21 - 23 August 2017, pp.45-53

● **CloudSS: A decision support system for cloud service selection**

ŞENER U., GÖKALP E., EREN P. E.

14th International Conference on the Economics of Grids, Clouds, Systems, and Services, GECON 2017, Biarritz, France, 19 - 21 September 2017, pp.249-261

● **BIG DATA FOR INDUSTRY 4.0: A CONCEPTUAL FRAMEWORK**

GÖKALP M. O., KAYABAY K., AKYOL M. A., EREN P. E., KOÇYİĞİT A.

International Conference on Computational Science and Computational Intelligence (CSIC), Nevada, United States Of America, 15 - 17 December 2016, pp.431-434

● **Smart Residence Management System RMS with Personalized Comfort**

Ay M. B., Gökalp E., EREN P. E., TANYER A. M.

3rd International Management Information Systems Conference - Smart Technology - Smart Management, İzmir, Turkey, 6 - 08 October 2016, pp.255-265

● **Cloud-Based Enterprise Information Systems: Determinants of Adoption in the Context of Organizations**

ŞENER U., Gokalp E., EREN P. E.

22nd International Conference on Information and Software Technologies (ICIST), Druskininkai, Lithuania, 13 - 15 October 2016, vol.639, pp.53-66

● **A Software Development Process Model for Cloud by Combining Traditional Approaches**

Hacaloglu T., EREN P. E., Mishra D., Mishra A.

OnTheMove (OTM) Federated Conference, Rhodes, Greece, 26 - 30 October 2015, vol.9416, pp.421-430

● **A Cloud Based Architecture for Distributed Real Time Processing of Continuous Queries**

GÖKALP M. O., KOÇYİĞİT A., EREN P. E.

41st Euromicro Conference on Software Engineering and Advanced Applications 2015, Funchal, Portugal, 26 - 28 August 2015, pp.459-462

● **A Study on User Perception of Mobile Commerce for Android and iOS Device Users**

ÜNAL P., TAŞKAYA TEMİZEL T., EREN P. E.

12th International Conference on Mobile Web and Intelligent Information Systems, Roma, 24 - 26 August 2015, vol.9228, pp.63-73

● **A Mobile Computing Framework Based on Adaptive Mobile Code Offloading**

Kaya M., KOÇYİĞİT A., EREN P. E.

40th Euromicro Conference on Software Engineering and Advanced Applications (SEAA), Verona, Italy, 27 - 29 August 2014, pp.479-482

● **Text recognition and correction for automated data collection by mobile devices**

Ozarslan S., EREN P. E.

Conference on Imaging and Multimedia Analytics in a Web and Mobile World, San-Francisco, Costa Rica, 5 - 06 February 2014, vol.9027

● **Comparison of approaches for mobile document image analysis using server supported smartphones**

Ozarslan S., EREN P. E.

Conference on Digital Photography X, San-Francisco, Costa Rica, 3 - 05 February 2014, vol.9023

● **Multi-frame knowledge based text enhancement for mobile phone captured videos**

Ozarslan S., EREN P. E.

Conference on Mobile Devices and Multimedia - Enabling Technologies, Algorithms, and Applications, San-Francisco, Costa Rica, 3 - 05 February 2014, vol.9030

● **On-road Anomaly Detection by Multimodal Sensor Analysis and Multimedia Processing**

Orhan F., EREN P. E.

Conference on Video Surveillance and Transportation Imaging Applications, San-Francisco, Costa Rica, 3 - 05 February 2014, vol.9026

● **A Complex Event Processing Based Framework for Intelligent Environments**

Supported Projects

- KOÇYİĞİT A., ŞENER U., TOPCU A. K. , GÖKALP M. O. , GÜMÜŞOĞLU A., EREN P. E. , AKYOL M. A. , KAYABAY K., Project Supported by Higher Education Institutions, Endüstri 4.0 için süreç modelleme tabanlı karar destek sistemi, 2018 - 2020
- KOÇYİĞİT A., ŞENER U., TOPCU A. K. , GÖKALP M. O. , GÜMÜŞOĞLU A., EREN P. E. , TILTAK D., AKYOL M. A. , KAYABAY K., YANDIK Y. B. , Project Supported by Higher Education Institutions, Endüstri 4.0 İçin Özelleştirilmiş Bir Süreç Modelleme ve Yönetim Çatısı, 2017 - 2019
- EREN P. E. , ŞENER U., GÖKALP M. O. , AKYOL M. A. , KAYABAY K., KOÇYİĞİT A., Project Supported by Higher Education Institutions, İşletmeler için Büyük Veri ve İş Analitiği Yaklaşımlarının İncelenmesi ve Çözüm Önerisi, 2016 - 2017
- EREN P. E. , Project Supported by Higher Education Institutions, Mevzuat ve Yönetmeliklerden Süreç Ontolojisi Oluşturma Yöntemi, 2016 - 2017
- EREN P. E. , ŞENER U., GÖKALP M. O. , AKYOL M. A. , KAYABAY K., KOÇYİĞİT A., Project Supported by Higher Education Institutions, Yaygın Bilişim Odaklı Servis Birleştirme Sistemi Tasarımı ve Uygulaması, 2015 - 2017
- EREN P. E. , ŞENER U., KAYABAY K., KOÇYİĞİT A., Project Supported by Higher Education Institutions, Bulut Tabanlı Kurumsal Yönetim Bilişim Sistemlerinin Kullanımının İncelenmesi, 2016 - 2016
- KOÇYİĞİT A., GÖKALP M. O. , EREN P. E. , Project Supported by Higher Education Institutions, Nesnelerin İnterneti ile Bulut Hesaplama Destekli Dinamik Servis Oluşturma, 2014 - 2015
- EREN P. E. , KOÇYİĞİT A., Project Supported by Higher Education Institutions, Akıllı Ofis ve Bina Ortamları İçin Mobil Cihaz Tabanlı İş Akışı Otomasyon Sistemi Geliştirilmesi, 2013 - 2015
- EREN P. E. , KOÇYİĞİT A., Project Supported by Higher Education Institutions, Akıllı Ev Ve Ofis Ortamları İçin Mobil Cihaz Tabanlı Erişim Kontrol Sistemi Tasarımı Ve Gerçeklemesi, 2012 - 2014
- EREN P. E. , Project Supported by Higher Education Institutions, Yaygın Bilişim Ortamları İçin Kuaral Tabanlı Sonuç., 2011 - 2012

Tasks In Event Organizations

- Özkan Yildirim S., Eren P. E. , 5th International Conference on Management Information Systems (IMISC 2018), Scientific Congress, Ankara, Turkey, Ekim 2018

Citations

Total Citations (WOS):88

h-index (WOS):5