

Prof. ERCAN ÖZTEMEL

Personal Information

Email: eoztemel@marmara.edu.tr

Other Email: ercanoztemel@gmail.com

Web: <https://avesis.marmara.edu.tr/eoztemel>

International Researcher IDs

ScholarID: ci6kjWYAAAAJ

ORCID: 0000-0001-8488-9991

Publons / Web Of Science ResearcherID: G-4480-2019

ScopusID: 55938258300

Yoksis Researcher ID: 4849

Biography

Professor Dr. Ercan Oztemel was born in 1962 in Elazig. He completed his primary, secondary and high school education in Istanbul. In 1984, he graduated from the Department of Industrial Engineering, Sakarya Engineering Faculty at Istanbul Technical University. He completed his master's degree in the Department of Industrial Engineering at Bosphorous University between 1985-1987 and his doctorate studies at the Department of Systems Engineering of the School of Electrical, Electronics and Systems Engineering at the University of Wales in England between 1988-1992. Between 1993-2006, he worked as a faculty member at Sakarya University. In addition to her academic career, He worked as a Senior Researcher in the Research Institute of Information Technologies at TUBITAK (Turkish Science and Technology Research Council of Turkey) BILGEM between 1993-2011. In this institute, he conducted researches on Artificial Intelligence applications especially in the military research. Simulation systems on military training aircraft (flying simulator), Artificial F16 Pilot, nurse robots, virtual world war exercises are examples of his projects. From 1997 to 2010, he conducted research at the Western European Union Armaments Group (WEAG), served as a member of the Steering Committee in Groups 11 and 15, and as a Panel member of the System Analysis and Simulation (SAS) at NATO in 2001-2006. On the other hand, he was the Steering Committee member of IPROMS (Intelligent Production and Mechanization Systems) which was the Center of Excellence set out within the scope of the 6th Framework Program of the European Union, he supported the creation and execution of numerous sub-projects. Between 2011 and 2015, he served as the Vice President of OSYM (Measurement, Selection and Placement Center of Turkey) and between 2012-2017 he was a member of the Steering Committee of TUBITAK Public Research Group. He is currently working as the Head of the Department of Industrial Engineering in the Industrial Engineering Department of Marmara University. His research interests include artificial intelligence, intelligent manufacturing systems, management information systems, simulation and modeling, military simulation, simulators, strategic planning, and quality management. He has many articles, papers and books on these subjects.

Education Information

Doctorate, University of Wales, Cardiff, School Of Systems Engineering, United Kingdom 1989 - 1992

Postgraduate, Bogazici University, Institute Of Science, Endüstri Mühendisliği (YI) (Tezli), Turkey 1985 - 1987

Undergraduate, Istanbul Technical University, Turkey 1980 - 1984

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Integrating expert systems and neural networks for on-line intelligent statistical process control, University Of Wales, Cardiff, School Of Systems Engineering, 1992

Postgraduate, Computerised daily simulation and optimization in a petroleum refinery , Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 1987

Research Areas

Cognitive Science, Information Technologies, Simulation and Modelling, Artificial Intelligence, Computer Learning and Pattern Recognition, Uncertainty Management, Knowledge Engineering, Computer Learning, Fuzzy Sets and Systems, Neural Networks, Software Engineering, Industrial Engineering, Simulation, Production Planning and Control, Scheduling, Service Systems Modeling and Analysis, Project Management, Engineering Economics, Quality and Reliability, Strategic planning, Decision Theory, Multi Criteria Decision Making, Decision Support Systems

Academic Titles / Tasks

Professor, Marmara University, Faculty of Engineering, Industrial Engineering, 2006 - Continues

Professor, Sakarya University, Faculty Of Engineering, Department Of Industrial Engineering, 2001 - 2006

Associate Professor, Sakarya University, Faculty Of Engineering, Department Of Industrial Engineering, 1995 - 2001

Assistant Professor, Sakarya University, Faculty Of Engineering, Department Of Industrial Engineering, 1993 - 1995

Research Assistant, Sakarya University, Faculty Of Engineering, Department Of Industrial Engineering, 1985 - 1993

Academic and Administrative Experience

Staj Koordinatörü, Marmara University, Faculty of Engineering, Industrial Engineering, 2019 - Continues

Marmara University, Faculty of Engineering, Industrial Engineering, 2015 - Continues

Yürütme kurulu üyesi, Diğer (Kurumlar,hastaneler Vb.), TÜBİTAK, KAMAG, 2012 - 2017

Marmara University, Faculty of Engineering, Industrial Engineering, 2008 - 2010

Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Endüstri Mühendisliği (YI) (Tezli), 2008 - 2010

Marmara University, Faculty of Engineering, Industrial Engineering, 2006 - 2008

Sakarya Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 1996 - 2006

Courses

Project Management, Undergraduate, 2018 - 2019

Intelligent Manufacturing Systems, Postgraduate, 2018 - 2019

Software Quality Assurance, Postgraduate, 2018 - 2019

Stratejik Yönetim, Postgraduate, 2018 - 2019

Artificial intelligence supported decision making, Doctorate, 2017 - 2018

Management Information Systems, Postgraduate, 2018 - 2019

Introduction to Industrial Engineering, Undergraduate, 2018 - 2019

Neural Network in Manufacturing, Doctorate, 2018 - 2019

Bilgi Sistemlerinin Yönetimi, Postgraduate, 2018 - 2019

Advising Theses

- Öztemel E., GENERATING AN ASSESSMENT MODEL FOR INDUSTRY 4.0, Doctorate, S.GÜRSEV(Student), 2019
- Öztemel E., Özel S., Defining technological readiness levels for enterprises, Postgraduate, S.YAMAN(Student), 2018
- Öztemel E., An adaptive performance assessment system for business processes, Doctorate, N.GÖKMEN(Student), 2016
- Öztemel E., Measuring the competency of small and medium enterprises (SME): A dynamic model, Doctorate, S.ÖZEL(Student), 2015
- Öztemel E., Cooperation & coordination of distributed intelligent agents for manufacturing systems, Doctorate, B.ÇALIŞ(Student), 2015
- Öztemel E., An agent-based framework for process management and performance evaluation in the service sector, Doctorate, M.ÖVÜL(Student), 2011
- ÖZTEMEL E., Project scheduling using bee colony optimization, Doctorate, A.Ayçim(Student), 2011
- Öztemel E., Project scheduling using bee colony optimization, Doctorate, A.AYÇİM(Student), 2011
- Öztemel E., Composite ant colony algorithms for transportation problems, Postgraduate, M.ER(Student), 2010
- Öztemel E., Development of a change management model for manufacturing systems, Doctorate, M.BATUHAN(Student), 2010
- Öztemel E., Reverse logistics, Postgraduate, N.KARABULUT(Student), 2009
- Öztemel E., A knowledge based assistant system for CMMI (capability maturity model integration) implementations, Postgraduate, N.GÖZBAY(Student), 2009
- Öztemel E., A general framework for multi-agent manufacturing systems, Postgraduate, B.KENGİL(Student), 2008
- Öztemel E., Kurumsal bilgi yönetimi modeli, Doctorate, S.ARSLANKAYA(Student), 2007
- Öztemel E., Stratejik kurumsal kaynak yönetimi modeli önerisi, Doctorate, T.KORKUSUZ(Student), 2007
- Öztemel E., Arı algoritması'nın yapay sinir ağı öğrenmesi için kullanımı ve atıksu arıtma tesis kontrolü uygulaması, Doctorate, M.DÜĞENCİ(Student), 2007
- Öztemel E., Zeki bütünleşik imalat sistemlerinin oluşturulması için bir referans model geliştirilmesi, Doctorate, E.TEKEZ(Student), 2006
- Öztemel E., İşletmelerde imalat değerlendirme sistemi ve bir uygulama, Postgraduate, K.AYDOĞDU(Student), 2005
- Öztemel E., İşletmelerde müşteri odaklılık ölçüm modeli, Postgraduate, C.YALINKILIÇ(Student), 2004
- Öztemel E., Bilgi tabanlı iş sağlığı ve güvenliğinin ölçümü sistemi, Postgraduate, A.İLHAN(Student), 2004
- Öztemel E., Endüktif öğrenmede bilgi kazanımı için yeni algoritmalar, Doctorate, Ö.AKGÖBEK(Student), 2003
- Öztemel E., Özgün: İsterler yönetimi modeli, Postgraduate, Ö.GÜN(Student), 2003
- Öztemel E., Karmaşık sistemlerde bilgi tabanlı çözelme, Postgraduate, H.KOLAY(Student), 2001
- Öztemel E., Kısıt tabanlı kalitatif benzetimde kalitatif kısıt yayımı, Doctorate, M.FATİH(Student), 2000
- Öztemel E., İş parçaları ve kesici takımların esnek imalat sistemi içerisinde eş zamanlı akışının tasarımı ve analizi, Doctorate, A.KÜRŞAD(Student), 1998
- Öztemel E., Teknoloji yönetimi, Postgraduate, Z.KARAKAŞ(Student), 1998
- Öztemel E., Zeki karar sistemleri ve bazı askeri uygulamaları, Postgraduate, R.BENZER(Student), 1998
- Öztemel E., Yapay sinir ağlar ve İGDAŞ'ta günlük yük tahmininde kullanılması, Postgraduate, A.EROL(Student), 1997
- Öztemel E., Zeki etmenlerde öğrenme kabiliyetinin geliştirilmesi ve dinamik bir atölye tipi çözelme uygulaması, Doctorate, M.EMİN(Student), 1997
- Öztemel E., Genetik algoritmalarla permütasyon tipi iş sıralama, Postgraduate, M.DÜĞENCİ(Student), 1996

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An Assessment Framework for the Transformation of Mobility 4.0 in Smart Cities**
Inac H., ÖZTEMEL E.
SYSTEMS, vol.10, no.1, 2022 (SSCI)
- II. **A conceptual model for measuring the competency level of Small and Medium-sized Enterprises (SMEs)**
ÖZTEMEL E., ÖZEL S.

- ADVANCES IN PRODUCTION ENGINEERING & MANAGEMENT, vol.16, no.1, pp.47-66, 2021 (SCI-Expanded)
- III. **Literature review of Industry 4.0 and related technologies**
Öztemel E., Gürsev S.
Journal Of Intelligent Manufacturing, vol.31, no.1, pp.127-182, 2020 (SCI-Expanded)
- IV. **Bees Algorithm for multi-mode, resource-constrained project scheduling in molding industry**
ÖZTEMEL E., SELAM A. A.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.112, pp.187-196, 2017 (SCI-Expanded)
- V. **Train 3D: the technique for inclusion of three-dimensional models in longitudinal train dynamics and its application in derailment studies and train simulators**
Pogorelov D., Yazykov V., Lysikov N., ÖZTEMEL E., Arar O. F., Rende F. S.
VEHICLE SYSTEM DYNAMICS, vol.55, no.4, pp.583-600, 2017 (SCI-Expanded)
- VI. **Validation of railway vehicle dynamic models in training simulators**
Ozturk V., Arar O. F., Rende F. S., ÖZTEMEL E., SEZER S.
VEHICLE SYSTEM DYNAMICS, vol.55, no.1, pp.41-71, 2017 (SCI-Expanded)
- VII. **A multi-agent based approach for change management in manufacturing enterprises**
AYHAN M. B., Aydin M. E., ÖZTEMEL E.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.26, no.5, pp.975-988, 2015 (SCI-Expanded)
- VIII. **Special issue on "Current progress of intelligent technologies for manufacturing society"**
Oztemel E.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.26, no.5, pp.959-960, 2015 (SCI-Expanded)
- IX. **Special Issue on "Applications of computational intelligence and fuzzy logic to manufacturing and service systems"**
KUBAT C., TAŞKIN H., ÖZTEMEL E.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.86, pp.1, 2015 (SCI-Expanded)
- X. **A quantitative approach for measuring process innovation: a case study in a manufacturing company**
AYHAN M. B., ÖZTEMEL E., Aydin M. E., Yue Y.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.51, no.11, pp.3463-3475, 2013 (SCI-Expanded)
- XI. **Enterprise knowledge management model: a knowledge tower**
ÖZTEMEL E., ARSLANKAYA S.
KNOWLEDGE AND INFORMATION SYSTEMS, vol.31, no.1, pp.171-192, 2012 (SCI-Expanded)
- XII. **A neural network-based approach for the prediction of urban SO₂ concentrations in the Istanbul metropolitan area**
AKKOYUNLU A., YETİLMEZSOY K., Erturk F., ÖZTEMEL E.
INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION, vol.40, no.4, pp.301-321, 2010 (SCI-Expanded)
- XIII. **A neural network based approach for the prediction of urban SO₂ concentrations in the Istanbul Metropolitan Area Int Journal of Environmental Pollution**
AKKOYUNLU A., Yetlmezsoy K., Ertürk F., ÖZTEMEL E.
International Journal of Environment and Pollution, vol.40, pp.301-321, 2010 (SCI-Expanded)
- XIV. **A general framework of a Reference Model for Intelligent Integrated Manufacturing Systems (REMIMS)**
ÖZTEMEL E., TEKEZ E.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.22, no.6, pp.855-864, 2009 (SCI-Expanded)
- XV. **Scenario based distributed manufacturing simulation using HLA Technologies**
Uygun O., ÖZTEMEL E., KUBAT C.
INFORMATION SCIENCES, vol.179, no.10, pp.1533-1541, 2009 (SCI-Expanded)
- XVI. **Interactions of agents in performance based supply chain management**
ÖZTEMEL E., TEKEZ E.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.20, no.2, pp.159-167, 2009 (SCI-Expanded)
- XVII. **Integrating manufacturing systems through knowledge exchange protocols within an agent-based Knowledge Network**
ÖZTEMEL E., TEKEZ E.

- ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, vol.25, no.1, pp.235-245, 2009 (SCI-Expanded)
- XVIII. **A general framework for an agent-based service performance assessment system in local governments**
ÖZTEMEL E., Salmona M. Ö.
EUROPEAN JOURNAL OF INDUSTRIAL ENGINEERING, vol.3, no.4, pp.436-449, 2009 (SCI-Expanded)
- XIX. **Interactions of agent based modeling for supply chain performance measurement**
ÖZTEMEL E., TEKEZ E.
Journal of Intelligent Manufacturing, vol.2, pp.159-167, 2009 (SCI-Expanded)
- XX. **A general framework for SERM (strategic enterprise resource management)**
ÖZTEMEL E., Polat T. K.
PRODUCTION PLANNING & CONTROL, vol.18, no.1, pp.64-71, 2007 (SCI-Expanded)
- XXI. **A new algorithm for automatic knowledge acquisition in inductive learning**
AKGÖBEK Ö., Aydın Y. S., Oztemel E., Aksoy M. S.
KNOWLEDGE-BASED SYSTEMS, vol.19, no.6, pp.388-395, 2006 (SCI-Expanded)
- XXII. **Web Based Virtual Testing and Learning in Material Science and Engineering**
Kurt A. İ., KUBAT C., ÖZTEMEL E.
International Journal of Engineering Education, vol.22, pp.986-992, 2006 (SCI-Expanded)
- XXIII. **Dynamic job shop scheduling using reinforcement learning agents**
Aydın M. E., ÖZTEMEL E.
Robotics And Autonomous Systems, vol.33, pp.169-178, 2000 (SCI-Expanded)
- XXIV. **AN INTEGRATED NEURAL-NETWORK AND EXPERT-SYSTEM TOOL FOR STATISTICAL PROCESS-CONTROL**
PHAM D., ÖZTEMEL E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.209, no.2, pp.91-97, 1995 (SCI-Expanded)
- XXV. **Control chart pattern recognition using learning vector quantization networks**
D T P., ÖZTEMEL E.
International journal of Production Research, vol.3, pp.721-729, 1994 (SSCI)
- XXVI. **Control chart pattern recognition using combinations of multi layer perceptrons and learning vector quantization neural networks**
DT P., ÖZTEMEL E.
IMechE, Journal of Systems and Control Engineering, vol.12, pp.113-119, 1993 (SCI-Expanded)
- XXVII. **XPC - AN ONLINE EXPERT SYSTEM FOR STATISTICAL PROCESS-CONTROL**
PHAM D., ÖZTEMEL E.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.30, no.12, pp.2857-2872, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. **Smartness and Strategic Priority Assessment in Transition to Mobility 4.0 for Smart Cities**
INAC H., ÖZTEMEL E., AYDIN M. E.
Journal of Intelligent Systems: Theory and Applications, vol.4, no.2, pp.113-126, 2021 (Peer-Reviewed Journal)
- II. **Endüstriyel Dönüşüm Sürecinde AHP Yöntemi ile Performans Kriterlerinin Belirlenmesi**
Öztemel E., Özel S., Gürsev S.
Balkan Sosyal Bilimler Dergisi, vol.8, no.16, pp.105-117, 2019 (Peer-Reviewed Journal)
- III. **Technological competency assessment**
ÖZTEMEL E., ÖZEL S.
INTERNATIONAL JOURNAL OF SERVICES TECHNOLOGY AND MANAGEMENT, vol.25, no.2, pp.138-159, 2019 (ESCI)
- IV. **LOJİSTİK YÖNETİMİ ÜZERİNDE ENDÜSTRİ 4.0 ETKİLERİ VE STRATEJİK PLANLAMASI**
ÖZTEMEL E., Gürsev S.
Marmara Fen Bilimleri Dergisi, 2018 (Peer-Reviewed Journal)

- V. **Eğitimde Yeni Yönelimlerin Değerlendirilmesi ve Eğitim 4.0**
ÖZTEMEL E.
Üniversite Araştırmaları Dergisi, vol.1, pp.25-30, 2018 (Peer-Reviewed Journal)
- VI. **İşletmelerde Teknoloji Yönetimi ve Yetkinlik Bazlı Değerlendirme**
Özel S., Öztemel E.
Yönetim Bilimleri Dergisi, vol.16, no.31, pp.409-425, 2018 (Peer-Reviewed Journal)
- VII. **Financial Competency Assessment Model**
Öztemel E., Özel S.
Journal of Business Financial Affairs, vol.7, pp.1-7, 2018 (Peer-Reviewed Journal)
- VIII. **Endüstri 4 0 ve toplumsal dönüşüm**
ÖZTEMEL E.
Yeni Türkiye, vol.2, pp.14-19, 2016 (Non Peer-Reviewed Journal)
- IX. **A methodology to measure the degree of managerial innovation**
AYHAN M. B., ÖZTEMEL E.
Journal of Industrial Engineering and Management, vol.10, pp.153-173, 2014 (Scopus)
- X. **Enterprise Knowledge Management Model (EKMM) in Strategic Enterprise Management Model(SERM)**
ÖZTEMEL E., ARSLANKAYA S., KORKUSUZ POLAT T.
Procedia Socail Behavioral Sience, vol.24, pp.870-879, 2011 (Peer-Reviewed Journal)
- XI. **Enterprise knowledge management model EKMM in strategic enterprise resource management SERM**
ÖZTEMEL E., ARSLANKAYA S., KORKUSUZ POLAT T.
Procedia Social and Behavioral Sciences, vol.24, pp.870-879, 2011 (Peer-Reviewed Journal)
- XII. **A Methodology for Measuring Product Innovation A Case Study for a Manufacturing System**
AYHAN M. B., ÖZTEMEL E., Aydın M. E., Yue Y.
International Journal of Manufacturing Technology and Management, vol.24, pp.139-152, 2011 (Scopus)
- XIII. **Comparison of Learning Models to Build an Infrastructure for Performance Measurement of E-Learning Systems**
Öztemel E., Dülger Kahraman E.
Lecture Notes Computer Science, vol.5686, pp.307-311, 2009 (Peer-Reviewed Journal)
- XIV. **Control chart pattern recognition using neural networks**
Dt P., Öztemel E.
Journal of Systems Engineering, vol.2, pp.256-262, 1992 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Introduction to Intelligent Quality Management**
ÖZTEMEL E.
in: Quality Control - Intelligent Manufacturing, Robussy Design and Charts, Pengzhong Li, Paulo António, Rodrigues Pereira and Helena Navas Li, Editor, Intechopen, Londrina, pp.1-17, 2021
- II. **Yapay Zekâ ve İnsanlığın Geleceği**
Öztemel E.
in: Bilişim Teknolojileri ve iletişim: Birey ve Toplum Güvenliği, Muzaffer Şeker, Yasin Bulduklu, Cem Korkut Mürsel Doğrul, Editor, Türkiye Bilimler Akademisi, Ankara, pp.75-91, 2020
- III. **Understanding digital transformation**
Öztemel E.
in: Enabling technologies for the successful deployment of Industry 4.0, Antonio Sartal, Diego Carou,J. Paulo Davim, Editor, Taylor and Francis -CRC Press, Florida, pp.1-30, 2020
- IV. **Taxonomy of industry 4.0**
Öztemel E.
in: Industry 4.0 - Current Status And Future Trends, Jesús Hamilton Ortiz, William Gutierrez Marroquin, Leonardo

Zambrano Cifuentes, Editor, Intechopen, Londrina, pp.45-67, 2020

- V. **Endüstri 4.0 ve toplumsal Dönüşüm**
ÖZTEMEL E.
in: Çağdaş Endüstri Mühendisliği, Ercan Öztemel, Editor, Papatya Yayınları, İstanbul, pp.615-629, 2019
- VI. **Intelligent Manufacturing Systems, Smart Factories And Industry 4.0: A General Overview**
ÖZTEMEL E.
in: Digital Manufacturing and Assembly Systems in Industry 4.0, Kaushik Kumar, Divya Zindani, J. Paulo Davim, Editor, CRC Press (A Taylor Francis Company), Florida, pp.3-31, 2019
- VII. **Çağdaş Endüstri Mühendisliğine Genel bakış**
ÖZTEMEL E.
in: Çağdaş Endüstri Mühendisliği, Ercan Oztemel, Editor, Papatya Yayınları, İstanbul, pp.21-36, 2019
- VIII. **Application and Evaluation of Bee-Based Algorithms in Scheduling: A Case Study on Project Scheduling**
SELAM A. A., ÖZTEMEL E.
in: Handbook of Research on Applied Optimization Methodologies in Manufacturing Systems, Ömer Faruk Yılmaz, Süleyman Tüfekçi, Editor, IGI Global, Hershey PA, pp.20-42, 2017
- IX. **Yapay Sinir Ağları**
ÖZTEMEL E.
Papatya Yayınları, İstanbul, 2016
- X. **Endüstri mühendisliğine Giriş**
ÖZTEMEL E.
Papatya Yayınları, 2016
- XI. **Benzetim**
EYLER M. A., ÖZTEMEL E.
in: Endüstri Mühendisliğine Giriş, Ercan Öztemel, Editor, Papatya Yayınları, İstanbul, pp.357-378, 2016
- XII. **İmalat Sistemlerindeki Değişiklikler ve Zeki İmalat Sistemleri**
ÖZTEMEL E.
in: Endüstri Mühendisliğine Giriş, Ercan Öztemel, Editor, Papatya yayınları, İstanbul, pp.381-407, 2016
- XIII. **Endüstri Mühendisliğine Genel Bir Bakış**
ÖZTEMEL E.
in: Endüstri Mühendisliğine Giriş, Ercan Öztemel, Editor, Papatya Yayınları, İstanbul, pp.17-37, 2016
- XIV. **Change Management in Manufacturing Systems**
AYHAN M. B., ÖZTEMEL E.
Lambert Academic Publishing, 2013
- XV. **Intelligent Quality Ssystem**
Pham D., Oztemel E.
Springer, London/Berlin , London, 1996
- XVI. **Belediyelerde toplam kalite yönetimi**
ÖZTEMEL E.
Değişim Yayınları, 1993

Refereed Congress / Symposium Publications in Proceedings

- I. **A General Framework For Knowledge Management In Industry 4.0**
ÖZTEMEL E.
11th International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 27 May 2021
- II. **Enriching Traditional Business Software With Self Decision Making Capability**
ÖZTEMEL E., SARACOGLU H.
11th International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 27 May 2021
- III. **A knowledge based statistical process control system**
ÖZTEMEL E., Pham D. T.

Second International Conference on Automation, Robotics, and Computer Vision, 15 - 17 September 1992

- IV. **DETERMINATION OF INDUSTRY 4.0 ROADMAP USING SWARA TOPSISMETHODS**
ÖZTEMEL E., Gürsev S.
10th International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 9 - 11 September 2019, pp.1226-1233
- V. **Understanding Digital Transformation and comparing Industry4.0 with Society 5.0**
ÖZTEMEL E.
10th International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 9 - 11 September 2019
- VI. **Design principles for intelligent agents in distributed interactive simulation**
ÖZTEMEL E., Kocabaş Ş.
Proceedings of the Simtect, Melbourne, Australia, 25 - 26 March 1996, pp.103-107
- VII. **Artificial Intelligence and its effect on social transformation**
ÖZTEMEL E.
International Conference on Artificial Intelligence towards Industry 4.0 -ICAI4.0, 15 - 17 November 2018
- VIII. **Industry 4.0, Digital Transformation and Situation in Turkey**
ÖZTEMEL E.
6th international Symposium on Innovative Technologies in Engineering and Science, 9 - 11 November 2018
- IX. **An Agent-Based Approach for Strategic Alignment in Enterprise Systems: A Cancer Care Case**
Aydin M. E., ÖZTEMEL E., Nashawati D., Odeh M., Mansour A.
1st International Conference on Cancer Care Informatics (CCI), Amman, Jordan, 19 - 21 November 2018, pp.25-31
- X. **Digital Transformation: How to proceed with?**
ÖZTEMEL E.
VI. International Regional Development Symposium, Konya, Turkey, 26 October 2018 - 27 October 2018
- XI. **A General Education 4.0 Framework for Future Education Institutions**
DÜLGER KAHRAMAN E., ÖZTEMEL E.
ERPA International Congress on Education 2018, 28 June - 01 July 2018, pp.638-644
- XII. **Endüstri 4.0 Uygulamalarında Performans Kriterleri Araştırması ve Hizmet Sektörü Stratejisinin Belirlenmesi**
ÖZTEMEL E., ÖZEL S., Gürsev S.
International Congress of Management, Economy and Policy 2018 Spring, İstanbul, Turkey, 28 - 29 April 2018, pp.170
- XIII. **Assessing Technological Readiness Levels To Sustain Technologic Maturity**
ÖZTEMEL E., Yaman S.
ICOMEPE'18, International Congress of Management, Economy and Policy, İstanbul, Turkey, 28 April 2018 - 29 April 2019
- XIV. **Sürdürülebilir Teknolojik Olgunluk İçin İşletmelerin Teknolojik Hazırlık Seviyesinin Değerlendirilmesi**
ÖZTEMEL E., ÖZEL S., Yaman S.
International Congress of Management, Economy and Policy 2018 Spring, İstanbul, Turkey, 28 - 29 April 2018, pp.175
- XV. **Endüstri 4.0 Uygulamalarının Performans Kriterleri Araştırması Ve Hizmet Sektörü Stratejisinin Belirlenmesi**
ÖZTEMEL E., ÖZEL S., Gürsev S.
ICOMEPE'18, International Congress of Management, Economy and Policy, İstanbul, Turkey, 28 - 29 April 2018, pp.491-499
- XVI. **Process of industrial change and social transformation**
ÖZTEMEL E.
1st International Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 November 2017
- XVII. **Assessing the Effectiveness of Vocational Qualification Test Centers**
ÖZTEMEL E., ÖZEL S.

First Mediterranean Natural Sciences and Engineering Congress (MENSEC 2017), PORTGORICA, KARADAĞ, 19 - 22 October 2017, pp.115-116

XVIII. Industry 4.0 and its social effects

ÖZTEMEL E.

International Symposium on Industry 4.0 and Applications (ISIA 2017), 12 - 14 October 2017

XIX. Goal Directed Supplier Selection Model: An AgentBased Architecture

ÖZTEMEL E., ÇALIŞ B.

7th International Conference on Recent Trends in Science, Engineering and Technology (RTSET-2017), Londrina, United Kingdom, 26 - 27 June 2017, pp.23-36

XX. Generating an assessment model for municipalities

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2022

Clear Understanding of Digital Transformation, Seminar, Kırıkkale Üniversitesi, Turkey, October 2022

Artificial Intelligence Application in Health, Seminar, Lokman Hekim Üniversitesi, Turkey, September 2022

Artificial Intelligence and basic sciences, Seminar, Türkiye Bilimler Akademisi, Turkey, September 2022

Workshop for the Role of Artificial Intelligence in Energy, Workshop, Türkiye Bilimler Akademisi, Turkey, June 2022

Digital World, Metaverse and Thereafter, Seminar, Diyanet İşleri Başkanlığı, Turkey, March 2022

Artificial Intelligence: Change in the Societies of the 21st Century, Seminar, Kültür Konseyi Derneği, Turkey, September 2021

Artificial Intelligence and its Social Impact- Workshop on AI Transhumanism and Religion, Workshop, Atatürk Üniversitesi, Turkey, June 2021

Artificial Intelligence and Future of Humanity, Seminar, Türkiye Bilimler Akademisi, Turkey, February 2020

Understanding Digital Transformation and Digital Transformation in Education , Seminar, Eğitim ve Değişim Derneği, Turkey, February 2020

Artificial Intelligence and Its Impact on Our Future, Seminar, Sosyal Ekonomik ve Kültürel Araştırmalar Derneği, Turkey, December 2019

Artificial Intelligence, IoT, Data Mining, Seminar, Mimar Sinan Mühendisler Birliği, Turkey, November 2019

Artificial Intelligence, Seminar, Kocaeli Kent konseyi , Turkey, November 2019

Industry 4.0, Opportunities and Treats, Seminar, İbn Haldun Üniversitesi, Turkey, November 2019

Industry 4.0, Digital Transformation and Water 4.0, Seminar, Water and sewerage administration of Konya, Turkey, September 2019

Clear Understanding of Digital Transformation, Seminar, Milli Eğitim Bakanlığı İstanbul İl Müdürlüğü, Turkey, September 2019

Artificial Intelligence and Related Developments, Seminar, Insider Inc., Turkey, June 2019

Digital Transformation and Industry 4.0, Workshop, The Organisation of Islamic Cooperation, Turkey, June 2019

Clear Understanding of Digital Transformation, Seminar, Organization of International Defence Industry Fair, Turkey, May 2019

Artificial Intelligence and social Impacts, Seminar, Sakarya Uygulamalı Bilimler Üniversitesi, Turkey, May 2019

Future 5.0 ve Engineers of the Future, Seminar, Gençlik ve Spor Bakanlığı Sakarya Kız Yurdu, Turkey, April 2019

Artificial Intelligence and its Social Impacts, Seminar, Necmettin Erbakan Üniversitesi, Turkey, April 2019

Industry 4.0, Digital Transformation and TURKIYE, Seminar, Fatih Sultan Mehmet Vakıf Üniversitesi, Turkey, April 2019

Industry 4.0, Society 5.0 and Smart Cities, Conference, Eventuum TR, Turkey, January 2019

Opportunities and Treats for the Researcher of the 21st Century, Fırsatlar ve Engeller, Seminar, Akademik Platform, Turkey, November 2018

Opportunities and Treats of Digital Transformation , Seminar, Bilgi, Eğitim ve Spor Derneği, Van, Turkey, November 2018

Industrial Transformation: Artificial Intelligence, Robots and IoT, Seminar, Mimarlar ve Mühendisler Grubu, Turkey, October 2018

R&D is to say "wonder whether", Seminar, Parsan Makina A. Şti, Turkey, August 2018

Artificial Intelligence From Past to Today, From Today to the Future, Conference, Bilgi Teknolojileri ve İletişim Kurumu, Turkey, May 2018

Change, Transformation, Artificial Intelligence and Industry 4.0, Seminar, Nişantaşı Üniversitesi, Turkey, May 2018

Industry 4.0 and its Impact on Business and Society, Seminar, Uşak Üniversitesi, Turkey, March 2018

Business Process Management, Seminar, BELSOFT Bilisim Sistemleri Sanayi ve Ticaret Lt. Şti, Turkey, March 2018

Digitalisation, Social Impacts and Being Ready for Those, Seminar, Biga Sanayici ve İş Adamları Derneği (BİSİAD), Turkey, December 2017

Industry 4.0 and Social Impacts, Seminar, Bilim ve Teknoloji Stratejileri Derneği, Turkey, November 2017

Future Vision on Wood Industry: Industry 4.0, Seminar, Orman mühendisleri Odası İstanbul Şubesi, Turkey, October 2017

Industry 4.0 and Social Impacts, Seminar, TUBA, İstanbul Şubesi, Turkey, April 2017

Workshop on Process Management, Workshop, LCWaikiki -Taha Giyim, Turkey, December 2015

Local Management Vision of New TURKIYE, Seminar, Bolu Belediyesi, Turkey, December 2015

Defining KPIs, Seminar, LCWaikiki-Taha Giyim, Turkey, September 2015

Strategically Aligned Process Management (SAPROM), Seminar, LCWaikiki-Taha Giyim, Turkey, June 2015

Process Management, Seminar, Ölçme Seçme ve Yerleştirme Merkezi, Turkey, February 2014

Management by Objectives, Seminar, İstanbul Büyükşehir Belediyesi İETT, Turkey, December 2013

Research and Development, Seminar, Çalık Grubu- Malatya Tekstil İşletmesi, Turkey, May 2013
A Progressive University Management Model, Conference, Eğitim ve Yönetimde Politika Analizleri ve Stratejik Araştırmalar Derneği, Turkey, May 2012
How to Become a University of the 21st Century?, Seminar, İstanbul Sabahattin Zaim Üniversitesi, Turkey, December 2011
Process Management and 3F Rule for Effective Management, Seminar, OMSAN Lojistik, Turkey, March 2010
Quality Approaches in Education, Seminar, Özel Çamlıca Koleji, Turkey, March 2010
How to Write a Good Paper, Seminar, Marmara Üniversitesi, Turkey, November 2009
Modern Management and Strategic Approaches, Seminar, Sakarya Büyükşehir Belediyesi Su ve Kanalizasyon İdaresi, Turkey, June 2008
Total Quality Management in Public Organizations, Seminar, Sakarya Büyükşehir Belediyesi Su ve Kanalizasyon İdaresi, Turkey, May 2008
Enterprise Performance Assessment, Seminar, UYUMSOFT Bilgi Sistemleri Ticaret ve Anon. Şti, Turkey, February 2007
Process Management, Seminar, TÜRKTELECOM Ümraniye Fabrikası, Turkey, February 2005
Strategic Planning in Municipalities, Seminar, Bağcılar Belediyesi, Turkey, January 2005
Total Quality Management, Seminar, Sakarya Üniversitesi, Turkey, October 2004
Total Quality Management in Education, Seminar, Sakarya Milli Eğitim Müdürlüğü, Turkey, December 2003
Total Quality Management in Municipalities, Seminar, Adalet ve Kalkınma Partisi Siyaset Okulu, Turkey, December 2003
Customer Focus in Supermarkets, Seminar, YİMPAŞ holding Sakarya Mağazası, Turkey, December 2003
Training in Synthetic Environments, Seminar, İstanbul Bilgi Üniversitesi, Turkey, October 2003
Assessment of Manufacturing Systems, Seminar, KOSGEB- Analizcie Yetiştirme Eğitim Programı, Turkey, June 2003
Statistical Process Control in Business, Seminar, LCWaikiki-Özen Mensucat, Turkey, June 2003
Business Process Management, Seminar, PİSA Tekstil, Turkey, April 2003
Change Management, Seminar, LSWaikiki- Ozen Mensucat, Turkey, September 2002
Total Quality Management, Seminar, Sakarya Büyükşehir Belediyesi, Turkey, September 2001
Progress of Simulation Technologies and Training in Virtual EnvironmentsOrtamda Eğitim, Seminar, Türk Silahlı Kuvvetleri Muharebe Okulu, Turkey, March 2000
Strategic Planning, Seminar, LcWaikiki- Özen Mensucat, Turkey, January 2000
Total Quality Management, Seminar, LCWaikiki - Ozen Mensucat, Turkey, April 1999
Artificial Intelligence and Social Impact on Our Life, Seminar, Journal of Automation, Turkey, March 1998
Information Systems for modern managers, Seminar, Endüstriyel Otomasyon Seminerleri, Turkey, March 1998
Artificial Intelligence and Industrial Applications, Seminar, Kocaeli Üniversitesi, Turkey, December 1997
Artificial Intelligence and Industrial Applications, Seminar, Bolu Abant İzzet Baysal Üniversitesi, Turkey, December 1997
Artificial Intelligence and its Applications, Seminar, Kırıkkale Üniversitesi, Turkey, November 1997
Progress of Artificial Intelligence: A Look Towards the Future, Seminar, Süleyman Demirel Üniversitesi, Turkey, June 1997
Industrial Engineering and Artificial Intelligence, Seminar, Erciyes Üniversitesi, Turkey, May 1997
Artificial Intelligence and Industrial Applications, Seminar, Eczacıbaşı-Lüleburgaz, Turkey, December 1996

Non Academic Experience

MERT DÖKÜM

Business Establishment Private, MERT DOKUM A. Şti., Headquarter

Business Establishment Private, UYUMSOFT Bilgi Sistemleri ve Teknolojileri Tic. A.Ş., UyumAkademi

UYUMSOFT

Public Corporation, MEASUREMENT SELECTION AND PLACEMENT CENTER, HEADQUARTER

Public Corporation, MEASUREMENT, SELECTION AND PLACEMENT CENTER, HEADQUARTER

ÖLÇME SEÇME VE YERLEŞTİRME MERKEZİ

Public Corporation, STUDENT SELECTION ANAD PLACEMENT CENTER, MANAGEMENT

ODALAR VE BORSALAR BİRLİĞİ

TUBITAK, BİLGEM, Information Technology Institute

TÜBİTAK