

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 Bosphorouos 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 (Turksih Sience 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

ÖZTEMEL E., ÖZEL S.

2nd International Conference On Economics, Business Management And Social Sciences (ICEBSS 2017), Belgrade, Serbia And Montenegro, 10 - 14 May 2017, pp.129

XXI. Atıksu Arıtma Tesis Kontrolde Arı Algoritması İle Kirlilik Parametre Tahmini

ÖZTEMEL E., DÜĞENCI M.

3rd International Symposium on Innovative Technologies in On Environment, 4 - 06 November 2016, pp.512-517

XXII. Religious applications of artificial intelligence

ÖZTEMEL E.

3rd international conference on islamic applications in computer science and technology (IMAN-15), Konya, Turkey, 1 - 03 October 2015, pp.14

XXIII. Model approach for evaluation of school performance

KÖKÇAM A. H., ÖZTEMEL E., KUBAT C.

CIE 2014 - 44th International Conference on Computers and Industrial Engineering and IMSS 2014, İstanbul, Turkey, 14 - 15 October 2014

XXIV. İmalat Sistemleri İçin Bulanık Analitik Hiyerarşi Prosesi Destekli Değişim Yönetimi

AYHAN M. B., KILIÇ H. S., ÖZTEMEL E.

Üretim Araştırmaları Sempozyumu (UAS2013), Sakarya, Turkey, 25 - 27 September 2013

XXV. İmalat sistemleri için bulanık analitik hiyerarşi prosesi destekli değişim yönetimi

AYHAN M. B., KILIÇ H. S., ÖZTEMEL E.

XIII. Üretim Araştırmaları Sempozyumu, Sakarya, Turkey, 25 - 27 September 2013, vol.1, pp.438-447

XXVI. Kobi Destek Değerlendirme Sistemlerinin İncelenmesi Ve Temel Kriterlerin Belirlenmesi

ÖZEL S., ÖZTEMEL E.

Üretim Araştırmaları Sempozyumu (UAS2013), Sakarya, Turkey, 25 - 27 September 2013

XXVII. Bayesian Structure Learning with Minimum Spanning Tree Algorithm

SENCER S., TORKUL O., TAŞKIN H., ÖZTEMEL E., KUBAT C.

The 12th International Conference on Information Knowledge Engineering (IKE-13), Laas vegas, United States Of America, 22 - 25 July 2013

XXVIII. A Multi Agent Based Approach for Change Management in Manufacturing Systems

AYHAN M. B., AYDIN M. E., ÖZTEMEL E.

8th International Symposium On Intelligent And Manufacturing Systems, Antalya, Turkey, 27 - 28 September 2012

XXIX. , İmalat Sistemleri İçin İnnovasyon Yönetim Modeli, Yoneylem Araştırması

AYHAN M. B., ÖZTEMEL E.

Endüstri Mühendisliği 32. Ulusal Kongresi- YAEM 2012, İstanbul, Turkey, 20 - 22 June 2012

XXX. Collective intelligence for monitoring innovation and change in manufacturing systems

AYHAN M. B., AYDIN M. E., ÖZTEMEL E.

World Congress on Engineering 2012 (WCE 2012), Londrina, Brazil, 4 - 06 June 2012

XXXI. Yönetimsel Yenilikçilik Derecesinin Ölçülmesi

ÖZTEMEL E., AYHAN M. B.

Yoneylem Araştırması, Endüstri Mühendisliği 31. Ulusal Kongresi -YAEM 2011, Sakarya, Turkey, 5 - 07 July 2011

XXXII. Enterprise Knowledge Management Model (EKMM) in Strategic Enterprise Management Model(SERM),

- ÖZTEMEL E., ARSLANKAYA S., KORKUSUZ POLAT T.
7th International Strategic Management Conference, Paris, France, 30 June - 02 July 2011
- XXXIII. **Project scheduling using bee colony optimization**
ÖZTEMEL E., SELAM A. A.
7th international symposium on intelligent manufacturing systems, Sarayova, Bosnia And Herzegovina, 15 - 17 September 2010
- XXXIV. **Knowledge management in SERM**
ÖZTEMEL E., ARSLANKAYA S., KORKUSUZ POLAT T.
7th international symposium on intelligent manufacturing systems, Sarayova, Bosnia And Herzegovina, 15 - 17 September 2010
- XXXV. **Measuring the change capability in manufacturing processess**
ÖZTEMEL E., AYHAN M. B.
7th international symposium on intelligent manufacturing systems, Sarayova, Bosnia And Herzegovina, 15 - 17 September 2010
- XXXVI. **EFFECTS OF EXPERT SYSTEMS IN COMPUTER BASED SUPPORT FOR CMMI IMPLEMENTATIONS**
Oztemel E., Gokmen N.
5th International Conference on Software and Data Technologies (ICSOF 2010), Athens, Greece, 22 - 24 July 2010, pp.425-430
- XXXVII. **Effects of expert systems in compuet based support for CMMI implementations**
ÖZTEMEL E., Gökmen N.
5th International Conference on Software and Data technologies- ICSOF 2010, Atina, Greece, 22 - 24 July 2010, vol.2
- XXXVIII. **Teknolojik yenilikçilik derecesinin ölçülmesi**
ÖZTEMEL E., AYHAN M. B.
Yöneyem Araştırması, Endüstri Mühendisliği 30. Ulusal Kongresi- YAEM 2010, İstanbul, Turkey, 30 June - 01 July 2010
- XXXIX. **Bilgi tabanlı CMMI Entegrasyon Asistanı”, Yöneyem Araştırması**
ÖZTEMEL E., Gökmen N.
Yöneyem Araştırması-Endüstri Mühendisliği 30. Ulusal Kongresi- YAEM 2010, Sabancı, Turkey, 30 June - 01 July 2010
- XL. **Endüstri sahipli laboratuvarlar: Bir üniversite Sanayi İşbirliği Modeli**
ÖZTEMEL E.
Üniversite sanayi işbirliği Sempozyumu, USIS 09, Kocaeli, Turkey, 10 - 11 June 2010
- XLI. **Comparison of Learning Models to Build an Infrastructure for Performance Measurement of E-Learning Systems**
ÖZTEMEL E., YAVUZ E.
8th International Conference on Web Based Learning (ICWL 2009), Aachen, Germany, 19 - 21 August 2009, vol.5686, pp.307-308
- XLII. **Performance Assessment of Swarm Robots**
ÖZTEMEL E., KUBAT C., UYGUN Ö., KORKUSUZ POLAT T., Raja V., Anthony S.
13th International Conference on Human- Computer Interaction, 19 - 24 July 2009, pp.361-367
- XLIII. **A Methodology for Change Management in Manufacturing**
ÖZTEMEL E., AYHAN M. B.
5th IPROMS Virtual International Conference, 6 - 17 July 2009
- XLIV. **Measuring Technological Forecasting**
ÖZTEMEL E., AYHAN M. B.
7th IEEE International Conference on Industrial Informatics, Cardiff, United Kingdom, 23 - 26 June 2009, pp.49-53
- XLV. **5I*Performance indicators of machining and operations management systems**
ÖZTEMEL E., KUBAT C.
7th IEEE International Conference on Industrial Informatics, Cardiff, United Kingdom, 23 - 26 June 2009, pp.843-844
- XLVI. **TRENSİM: Türkiye'nin Hareketli Platformlu İlk Ulusal Tren Simulatörü, (Gelişme Raporu) 3**

- ÖZTEMEL E., Oztürk V., Soyer B. S., Cengiz R., Öncü A.
3. Ulusal Savunma Uygulamaları Modelleme ve Simülasyon Konferansı, Ankara, Turkey, 17 - 18 June 2009
- XLVII. **A roadmap for strategic planning in higher education institutions**
ÖZTEMEL E., KUBAT C., TAŞKIN H.
6th Research/Expert Conference with International Participation QUALITY 2009, 4 - 06 June 2009, pp.601-611
- XLVIII. **Knowledge management in local governments: a knowledge tower approach**
ÖZTEMEL E., ARSLANKAYA S.
3rd International Symposium on Knowledge Cities, İstanbul, Turkey, 17 - 19 November 2008
- XLIX. **Role of Information Systems in Multi Agent Architecture**
ÖZTEMEL E., ÇALIŞ B.
6th International Symposium on Intelligent and Manufacturing Systems, Sakarya, Turkey, 14 - 17 October 2008
- L. **General Framework for Nano manufacturing**
ÖZTEMEL E., ÖZEL S.
6th International Symposium on intelligent and Manufacturing Systems, Sakarya, Turkey, 14 - 17 October 2008, pp.918-927
- LI. **Distributed strategy sharing using knowledge networks**
ÖZTEMEL E., KORKUSUZ POLAT T.
6th international symposium on intelligent manufacturing systems, İzmit, Turkey, 14 - 16 October 2008, pp.54-65
- LII. **Measuring Degree of Technology Adaptation in Manufacturing Systems**
ÖZTEMEL E., AYHAN M. B.
6th international symposium on intelligent manufacturing systems, İzmit, Turkey, 14 - 16 October 2008, pp.636-648
- LIII. **IProms Experimental Platform and Test-Bed for Research and Development of the Ubiquitous Manufacturing Systems (UMS),**
Putnik G., Raja V., Szcesi T., ÖZTEMEL E., KUBAT C., Sluga A.
CIRP ICME 'xx08, Nepal, Italy, 23 - 25 July 2008, pp.611-617
- LIV. **Implications of Swarm-like Co-ordinated Behaviour of Mobile Robots**
Balbaaki H., Beinhauer D., Habe D., Thiel S., Lamiri M., ÖZTEMEL E.
CIRP ICME 'xx08, Nepal, Italy, 23 - 25 July 2008, pp.573-577
- LV. **A methodology for measuring product innovation**
ÖZTEMEL E., AYHAN M. B.
4th IPROMS Virtual International Conference, 1 - 14 July 2008, pp.325-331
- LVI. **Multi-agent based integrated quality systems**
ÖZTEMEL E., TEKEZ E.
4th IPROMS Virtual International Conference, 1 - 14 July 2008
- LVII. **Enterprise Wide Knowledge Leverage**
ÖZTEMEL E., ARSLANKAYA S.
4th IPROMS Virtual International Conference, 1 - 14 July 2008
- LVIII. **Stratejik kurumsal kaynak yönetimi için bilgi haritaları**
ÖZTEMEL E., KORKUSUZ POLAT T.
2. Sistem Mühendisliği Konferansı, İstanbul, Turkey, 6 - 08 February 2008
- LIX. **Kurumsal bilgi yönetimi'nde bilgi kaldırma**
ÖZTEMEL E., ARSLANKAYA S.
2. Sistem Mühendisliği Konferansı, İstanbul, Turkey, 6 - 08 February 2008
- LX. **Gelecekte İmalat Sistemleri ve Manufature**
ÖZTEMEL E., ÇALIŞ B.
Yöneyem Araştırması ve Endüstri Mühendisliği 27. Ulusal Kongresi, İzmir, Turkey, 2 - 04 July 2007
- LXI. **Technology readiness model for enterprises**
ÖZTEMEL E., KORKUSUZ POLAT T.
2nd IPROMS Virtual International Conference, 3 - 13 July 2006, pp.262-269
- LXII. **Enterprise knowledge management model**

- ÖZTEMEL E., ARSLANKAYA S.
5th international symposium on intelligent manufacturing systems: Agents and Virtual Worlds, Sakarya, Turkey, 29 - 31 May 2006, pp.1260-1269
- LXIII. **Scenario based Distributed manufacturing simulation using HLA technologies**
UYGUN Ö., KUBAT C., ÖZTEMEL E.
", 5th international symposium on intelligent manufacturing systems: Agents and Virtual Worlds, Sakarya, Turkey, 29 - 31 May 2006, pp.908-920
- LXIV. **Managing Risks: A Risk Cube Approach**
ÖZTEMEL E., KORKUSUZ POLAT T.
5th international symposium on intelligent manufacturing systems: Agents and Virtual Worlds, Sakarya, Turkey, 29 - 31 May 2006, pp.1304-1313
- LXV. **Interactions of agent based modeling for supply chain performance measurement**
ÖZTEMEL E., TEKEZ E.
5th international symposium on intelligent manufacturing systems: Agents and Virtual Worlds, Sakarya, Turkey, 29 - 31 May 2006, pp.1211-1221
- LXVI. **İmalat sistemleri için değişim modelinin gerekliliği**
ÖZTEMEL E., AYHAN M. B.
27. Ulusal Kongresi YA/EM2007, İzmir, Turkey, 02 July 2007 - 05 July 2005
- LXVII. **Intelligent SERM (Stratejic Enterprise REsource management**
ÖZTEMEL E., KORKUSUZ POLAT T., KUBAT C.
1st IPROMS Virtual International Conference, 4 - 05 July 2005, pp.255-260
- LXVIII. **Multi-Agent Based Integrated Manufacturing Planning**
ÖZTEMEL E., TEKEZ E.
Proceedings of the 35th International Conference on Computers Industrial Engineering, İstanbul, Turkey, 19 - 22 June 2005, pp.1541-1547
- LXIX. **A general framework for SERM (Strategic Enterprise Resource Management"**
ÖZTEMEL E., KORKUSUZ POLAT T.
4th International Symposium on intelligent manufacturing systems IMS2004, Sakarya, Turkey, 6 - 08 September 2004, pp.714-719
- LXX. **Web based virtual testing and learning: The ultimate virtual laboratory**
ÖZTEMEL E., KUBAT C.
4th International Symposium on intelligent manufacturing systems IMS2004, Sakarya, Turkey, 6 - 08 September 2004, pp.1006-1015
- LXXI. **Knowledge Exchange in manufacturing information systems**
ÖZTEMEL E., KUBAT C., UYGUN Ö., PAZARÇEVİREN S. Y.
4th International Symposium on intelligent manufacturing systems IMS2004, Sakarya, Turkey, 6 - 08 September 2004, pp.272-280
- LXXII. **Assessment of knowledge management activities in manufacturing**
ÖZTEMEL E., ARSLANKAYA S.
4th International Symposium on intelligent manufacturing systems IMS2004, Sakarya, Turkey, 6 - 08 September 2004, pp.738-743
- LXXIII. **Knowledge Exchange Between Manufacturing Agents**
ÖZTEMEL E., TEKEZ E.
Proceedings of 4th International Symposium on Intelligent Manufacturing Systems IMS2004, Sakarya, Turkey, 6 - 08 September 2004, pp.888-895
- LXXIV. **Deprem Bölgesinde bilgi tabanlı iş sağlığı ve güvenliğini yönetimi**
ÖZTEMEL E., Hacifazlıoğlu A. İ.
Yöneylem Araştırması, Endüstri Mühendisliği XXIV. Ulusal Kongresi YA/EM2004, Adana, Turkey, 16 - 18 June 2004
- LXXV. **A Reference Model for Intelligent Integrated Manufacturing Systems: REMIMS**
ÖZTEMEL E., TEKEZ E.
International IMS Forum 2004 on Global Challenges in Manufacturing, Milan, Italy, 17 - 19 May 2004, pp.1260-

- LXXVI. **An intelligent support for requirements management OZ-GÜN: a requirement management model**
ÖZTEMEL E., Gün Ö.
12. Turkish Symposium on Artificial intelligence and neural networks -TAINN-03, Çanakkale, Turkey, 2 - 04 July 2003
- LXXVII. **Intelligent Evaluation Definition of training systems in Synthetic Environment**
ÖZTEMEL E., Oztürk V.
Proceeding of the 14th International Training and Education Symposium, ITEC' 2003, Londrina, Brazil, 29 April - 01 May 2003
- LXXVIII. **Savunma Sanayiinde Uluslar arası ARGE stratejileri ve ulusal stratejilerin belirlenmesi**
ÖZTEMEL E., Palıgu Z.
Savunma Sanayiinde Stratejik İlişkiler Sempozyumu, Ankara, Turkey, 14 - 15 November 2002
- LXXIX. **Knowledge based scheduling for rapidly changing environments**
ÖZTEMEL E., Kırıcı S.
2nd International Conference on Responsive Manufacturing, Gaziantep, Turkey, 26 - 28 June 2002
- LXXX. **Advanced management information systems for municipalities**
KUBAT C., UYGUN Ö., ÖZTEMEL E.
2nd International Conference on Responsive Manufacturing, Gaziantep, Turkey, 26 - 28 June 2002
- LXXXI. **EvEr:-Knowledge management model**
ÖZTEMEL E., Aksoy E.
3rd International Symposium on Intelligent Manufacturing Systems, Sakarya, Turkey, 7 - 10 August 2001
- LXXXII. **Knowledge based scheduling for complex problems**
ÖZTEMEL E., Kolay H.
3rd International Symposium on Intelligent Manufacturing Systems, Sakarya, Turkey, 7 - 10 August 2001
- LXXXIII. **Intelligent assessment in HLA FEDEP process**
ÖZTEMEL E., Fırat C., HOCAOĞLU M. F.
Proceeding of the 11th International Training and Education Symposium, ITEC' 2000, Den Haag, Netherlands, 13 - 15 April 2000
- LXXXIV. **SARM-Computerised Security Architecture Reference Model**
GÜL E., ÖZTEMEL E., İNCE F.
NATO IST Panel Symposium on information security, Washington, Kiribati, 25 - 27 October 1999
- LXXXV. **HLA geliştirme sürecinde zeki destek**
ÖZTEMEL E., HOCAOĞLU M. F., Fırat C.
", Yöneyem Araştırması ve Endüstri XX. Mühendisliği Ulusal Kongresi (YA/EM'xx99), Ankara, Turkey, 8 - 09 June 1999
- LXXXVI. **A Federated Expert System for Career Development"**
ERDOĞMUŞ N., ÖZTEMEL E.
2nd International Symposium on Intelligent Manufacturing Systems, Sakarya, Turkey, 6 - 07 August 1998, vol.2, pp.1059-1066
- LXXXVII. **Dynamic job shop scheduling using intelligent agents**
ÖZTEMEL E., Aydın M. E.
2nd International Symposium on intelligent manufacturing Systems (IMS'98), Sakarya, Turkey, 6 - 07 August 1998, vol.2, pp.853-863
- LXXXVIII. **Q-III: Generalization of experiences for reinforcement learning**
Aydın M. E., ÖZTEMEL E.
7th Turkish Symposium on Artificial intelligence and neural networks (TAINN'98, Ankara, Turkey, 24 - 26 June 1998, pp.11-18
- LXXXIX. **AISim: An intelligent agent for distributed interactive simulation**
Kocabaş Ş., ÖZTEMEL E.
", Proceedings of the 7th Conference on Computer Generated Forces and Behavioral Representation, Florida, United States Of America, 12 - 14 May 1998, pp.257-264

- XC. Simulation for inflight training**
ÖZTEMEL E., Kocabaş Ş.
Proceedings of the 7th Conference on Computer Generated Forces and Behavioral Representation, Florida, United States Of America, 12 - 14 May 1998, pp.149-155
- XCI. Simulation management system for WaSiF**
ÖZTEMEL E., Kocabaş Ş., ÇETİNER B. G.
Proceedings of the 9th International Training and Educational Conference, ITEC'98, Lozan, Switzerland, 28 - 30 April 1998, pp.587-593
- XCII. Intelligent agents for distributed interactive battlefield simulation**
Kocabaş Ş., ÖZTEMEL E.
Proceedings of the 9th International Training and Educational Conference, ITEC'98, Lozan, Switzerland, 28 - 30 April 1998, pp.723-728
- XCIII. AISim: Dağıtık Ortamlarda Kompleks Hava Muharebesi için geliştirilmiş zeki bir tehdit sistemi**
Kocabaş Ş., ÖZTEMEL E.
" TSK-MODSIM, Modelleme ve Simulasyon Konferansı, Ankara, Turkey, 1 - 03 April 1998
- XCIV. Harp Oyunlarında Yapay Zeka Uygulamaları**
ÖZTEMEL E., Kocabaş Ş.
MODSIM, Modelleme ve Simulasyon Konferansı, Ankara, Turkey, 1 - 03 April 1998
- XCv. Yapay sinir ağları ile Günlük doğal gaz çekiş değerlerinin tahmin edilmesi**
ÖZTEMEL E., Aydın A. E., Aydın M. E.
1. Ulusal Üretim Sempozyumu, İstanbul, Turkey, 30 - 31 October 1997
- XCvI. Q-II: An improved learning algorithm for intelligent agents**
ÖZTEMEL E., Aydın M. E.
European Simulation Multi-conference, ESM'97, İstanbul, Turkey, 1 - 04 June 1997
- XCvII. Learning in intelligent agents: Q-I Algorithm**
ÖZTEMEL E., Aydın M. E.
6. Türk Yapay Zeka ve Yapay Sinir Ağları Sempozyumu (TAINN'xx97), Ankara, Turkey, 22 - 23 May 1997
- XCvIII. Otomatik Bilgi işleme için yapay sinir ağları ile uzman sistemlerin karşılaştırılması ve birleştirilmesi**
ÖZTEMEL E.
Endüstriyel Otomasyon Sempozyumu, (TOK'97), İstanbul, Turkey, 20 - 21 February 1997
- XCIX. Benzetim çalışmalarında yapay zeka teknikleri**
ÖZTEMEL E., HOCAOĞLU M. F.
Yöneylem Araştırması ve Endüstri Mühendisliği XVIII. Ulusal Kongresi (YA/EM'xx96), Ankara, Turkey, 23 - 25 October 1996
- C. Genetik algoritmalar kullanılarak iş sıralaması**
ÖZTEMEL E., DÜĞENCİ M.
First international symposium on intelligent manufacturing systems (IMS'96), Sakarya, Turkey, 30 - 31 May 1996, pp.428-437
- CI. Design of a DIS agent, the AISim system: A progress report**
ÖZTEMEL E., Kocabaş Ş.
Proceedings of the 6th Conference on Computer Generated Forces and Behavioral Representation, Florida, United States Of America, 23 - 25 March 1996, pp.119-127
- CII. Dağıtılmış ortamlarda yapay zeka teknikleri**
ÖZTEMEL E., Kocabaş Ş.
1. Sistem Mühendisliği ve Savunma uygulamaları sempozyumu, Ankara, Turkey, 12 - 13 October 1995
- CIII. Sinir ağı çizelgeleme sistemi:Uzman çizelgeleme sisteminden esinlenen bir yaklaşım**
TAŞGETİREN M. F., CEDİMOĞLU İ. H., ÖZTEMEL E.
Yöneylem Araştırması ve Endüstri Mühendisliği XVII. Ulusal Kongresi (YA/EM'xx95), Ankara, Turkey, 10 - 11 July 1995
- CIV. Yapay Sinir ağları ile Taguchi yönteminin karşılaştırılması**
ÖZTEMEL E., Aydın M. E.

4. Türk Yapay Zeka ve Yapay Sinir Ağları Sempozyumu, Gebze, Turkey, 26 - 28 June 1995, pp.21-27

CV. **Yapay zekanın Endüstri Mühendisliğine uygulanması ve Grup teknolojilerinden bir örnek**
ÖZTEMEL E.

2. Endüstriyel Otomasyon Sempozyumu, İstanbul, Turkey, 30 - 31 March 1995

CVI. **Bütünleşik Yapay Sinir Ağları**

ÖZTEMEL E.

Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YA/EM'xx94), Ankara, Turkey, 13 - 15 July 1994

CVII. **MRP ve PERT/CPM tekniklerinin belirsizlikler altında üretim planlama için birleştirilmesi**

ÖZTEMEL E., English J.

Yöneylem Araştırması XII. Ulusal Sempozyumu, Ankara, Turkey, 21 - 23 June 1989

Supported Projects

Öztemel E., Er M., Özel S., Kalender Z. T., Project Supported by Other Private Institutions, TUSAŞ İş Süreçlerinin Analizi ve Kurumsal Öz Değerlendirme Modelinin Geliştirilmesi Ar-Ge Projesi, 2021 - 2022

Öztemel E., Er M., Özel S., Kalender Z. T., Project Supported by Other Private Institutions, TUSAŞ - İŞ SÜREÇLERİNİN ANALİZİ VE KURUMSAL ÖZ DEĞERLENDİRME MODELİNİN GELİŞTİRİLMESİ AR-GE PROJESİ, 2021 - 2021

Şen Z., Öztemel E., Er M., Project Supported by Other Official Institutions, Sera Gazı Ulusal Katkı Hedefinin

Gerçekleştirilmesi için Kapasite Geliştirme ve İzleme Projesi, 2020 - 2020

Öztemel E., Sennaroğlu B., Özel S., Kalender Z. T., Project Supported by Other Private Institutions, Doğalgaz Dağıtım

İşletmeleri İçin İş Süreçlerinin Optimizasyonu ve Stratejik Hizalanmış Süreçlere Dayalı İş Yönetim Modelinin Geliştirilmesi Araştırma Projesi, 2019 - 2020

Öztemel E., Özel S., TUBITAK Project, Yerel Yönetimlerde Hizmet Etkinliğinin Ölçülmesi ve Vatandaş Algı Yönetimi Projesi (CityTrack), 2018 - 2020

Şen Z., Öztemel E., Er Kara M., Project Supported by Other Official Institutions, Sera Gazı Ulusal Katkı Hedefinin

Gerçekleştirilmesi için Kapasite Geliştirme ve İzleme Projesi, 2017 - 2020

Öztemel E., Özel S., Company, Mesleki Yeterlilikleri Ölçme Değerlendirme Modeli Geliştirilmesi, 2017 - 2017

Öztemel E., Özel S., Project Supported by Other Private Institutions, Yerel yönetimlerde Kurumsal Özdeğerlendirme Modelinin Geliştirilmesi ARGE çalışması, 2016 - 2017

Öztemel E., TUBITAK Project, Sanal Ortam Tren Sürüş Eğitimleri İçin Milli Benzetim Sistemlerinin Geliştirilmesi, Tübitak Proje No: 107G061, 2007 - 2011

Öztemel E., Kubat C., FP6 Project, IWARD Intelligent Robot Swarm for Attendance Recognition Cleaning and Delivery Hastahane robotu projesi, 2006 - 2010

Öztemel E., NATO Supported Research Project, NATO NIAG SG 129 Asymmetric Use Of Novel Emerging Technologies Against Aircraft Uçaklara karşı yeni ve gelişen teknolojilerin asimetric kullanımı, 2008 - 2009

Öztemel E., EU Supported Other Project, Networked WaSiF projesi, 2005 - 2008

Öztemel E., Taşkın H., Korkusuz Polat T., Uygun Ö., Denizhan B., Kubat C., Adalı M. R., Şimşir F., Company, Kurumsal Değerlendirme(Check-Up), 2005 - 2005

Öztemel E., EU Supported Other Project, EUCLID RTP 11 12 Inflight demonstration of embedded simulators for training purposes onboard fighter aircraft Gerçek bir savaş uçağı üzerine eğitim amaçlı benzetim sisteminin yerleştirilmesi, 2000 - 2003

Öztemel E., Akkoyunlu A., Yetilmezsoy K., Ertürk F., TUBITAK Project, HAVA KİRLİLİĞİNİN YAPAY SİNİR AĞLARI İLE TAHMİN EDİLMESİ, 1999 - 2000

Öztemel E., EU Supported Other Project, EUCLID RTP 6 6 Command control reference model Komuta kontrol referans modeli, 1997 - 2000

Öztemel E., EU Supported Other Project, EUCLID RTP 11 14 Flexible Training Composition Esnek eğitim düzeneği, 1988 - 1999

Öztemel E., EU Supported Other Project, EUCLID RTP 11 7 Weapon sistem simulation in flight Uçuş esnasında silah sistemi benzetimi, 1996 - 1997

Öztemel E., EU Supported Other Project, EUCLID RTP11 3 Complex Air Warfare Demonstration System Karmaşık hava

muharebe sisistemi gösterimi, 1993 - 1997

Öztemel E., EU Supported Other Project, EUCLID RTP 11 13 Realising the potential of European Networked Simulation
Avrupa potansiyel benzetim ağı, 1993 - 1997

Activities in Scientific Journals

Journal of Theoretical and Applied Electronic Commerce Research, Scientific Committee Membership, 2021 - Continues
Journal Of Intelligent Manufacturing, Assistant Editor/Section Editor, 2019 - Continues

Scientific Refereeing

Other International Funding Programs, European Regional Development Fund , Lithuania, October 2018
TUBİTAK Project, 1007 - Public Institutions Research and Development Projects DP, Research Institute of Space Sciences,
Turkey, January 2016

Scientific Consultations

TUBİTAK BİLGEM, Project Consultancy, Marmara University, Faculty of Engineering, Industrial Engineering, Turkey, 2020
- Continues

Scientific Research / Working Group Memberships

I*Proms- (Innovative Intelligent Production And Machining Systems), University of Wales College of Cardiff, England,
<https://cordis.europa.eu/project/id/500273>, 2006 - 2010

Metrics

Publication: 164

Citation (WoS): 630

Citation (Scopus): 822

H-Index (WoS): 11

H-Index (Scopus): 12

Congress and Symposium Activities

International Symposium on Intelligent Manufacturing systems, Invited Speaker, Sakarya, Turkey, 2019
International Symposium on Production Research, Invited Speaker, Vienna, Austria, 2019

Invited Talks

Clear Understanding of Digital Transformation and Artificial Ingelligence, Seminar, Gençlik ve Spor Bakanlığı Kredi
Yurtlar Kurumu, Turkey, February 2023

Artificial Intelligence and Future of Business World, Seminar, Kocaeli Vizyoner İş Adamları Derneği, Turkey, November
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 TÜRKİYE, 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 TÜRKİYE, 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