

SADETTİN EMRE ALPTEKİN

PROF.

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-6080-2020

ScopusID: 55664602300

Yoksis Researcher ID: 132157



Learning Knowledge

Doctorate 2001 - 2006	Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey
Postgraduate 1999 - 2001	Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği Bölümü, Turkey
Undergraduate 1995 - 1999	Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, Turkey

Foreign Languages

English, C1 Advanced

French, B2 Upper Intermediate

German, C1 Advanced

Academic Titles / Tasks

Professor 2023 - Continues	Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği
Associate Professor 2010 - 2023	Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği
Assistant Professor 2006 - 2010	Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği
Research Assistant 2000 - 2006	Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği

Supported Projects

1. ALPTEKİN S. E., Project Supported by Higher Education Institutions, ENDÜSTRİ 4.0 ALT SİSTEMLERİNİN TASARIMI VE İLGİLİ MODELLERİ, 2018 - 2020
2. ALPTEKİN S. E., Project Supported by Higher Education Institutions, NESNELERİN İNTERNETİ UYGULAMALARININ TASARLANMASI VE MODELLENMESİ, 2017 - 2018
3. ALPTEKİN S. E., Project Supported by Higher Education Institutions, ORGANİZASYONEL KARAR VERME SÜREÇLERİNDE YAPAY SİNİR AĞI UYGULAMALARI, 2016 - 2017
4. ALPTEKİN S. E., Project Supported by Higher Education Institutions, BİLGİ VE İLETİŞİM TEKNOLOJİSİ SİSTEMLERİNİN İNCELENMESİ, MODELLENMESİ VE YÖNETİMİ, 2015 - 2017
5. ALPTEKİN S. E., Project Supported by Higher Education Institutions, BİLGİ YÖNETİMİNDE KARAR DESTEK SİSTEMLERİ, 2013 - 2015
6. ALPTEKİN S. E., Project Supported by Higher Education Institutions, STRATEJİK KARAR ALMA SÜRECİNDE DENEYSEL TASARIM KULLANIMI, 2011 - 2013
7. ALPTEKİN S. E., Project Supported by Higher Education Institutions, TÜKETİCİ ELEKTRONİĞİ SEÇİMİNDE KULLANICI ESASLI KARAR DESTEK SİSTEMİ, 2011 - 2012
8. ALPTEKİN S. E., Project Supported by Higher Education Institutions, ELEKTRONİK ÖDEME ALTERNATİFLERİNİN TÜRKİYE İÇİN DEĞERLENDİRİLMESİ, 2010 - 2011
9. ALPTEKİN S. E., Project Supported by Higher Education Institutions, YENİ NESİL AĞLARDA KALİTE ODAKLI KAYNAK ATAMA, 2010 - 2011
10. ALPTEKİN S. E., Project Supported by Higher Education Institutions, ORGANİZASYONLARIN TEMEL YETKİNLİKLERİNİN BELİRLENMESİ, 2009 - 2011
11. ALPTEKİN S. E., Project Supported by Higher Education Institutions, YENİ ÜRÜN İNOVASYONUNDA OLUŞAN RİSKLERİN DEĞERLENDİRİLMESİ, 2009 - 2010
12. ALPTEKİN S. E., Project Supported by Higher Education Institutions, UZAKTAN EĞİTİM PROGRAMLARININ DEĞERLENDİRİLMESİNDE ÇOK AMAÇLI KARAR VERME YAKLAŞIMLARI, 2009 - 2010
13. ALPTEKİN S. E., Project Supported by Higher Education Institutions, TEDARİKÇİ SEÇİMİ İLE ÜRÜN GELİŞİMİNİN SAĞLANMASI İÇİN ÇOK ÖLÇÜTLÜ KARAR VERME YAKLAŞIMLARI, 2008 - 2009

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Variational autoencoder-based anomaly detection in time series data for inventory record inaccuracy**
Argun H., ALPTEKİN S. E.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.31, no.1, pp.163-179, 2023 (SCI-Expanded)
2. **Evaluation of factors affecting the decision to adopt blockchain technology: A logistics company case study using Fuzzy DEMATEL**
Maden A., Alptekin E.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.39, no.5, pp.6279-6291, 2020 (SCI-Expanded)
3. **A Fuzzy Quality Function Deployment Approach for Differentiating Cloud Products**
ALPTEKİN S. E., Alptekin G. I.
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, vol.11, no.1, pp.1041-1055, 2018 (SCI-Expanded)
4. **A hybrid MCDM methodology for ERP selection problem with interacting criteria**
GÜRBÜZ T., ALPTEKİN S. E., Alptekin G. I.
DECISION SUPPORT SYSTEMS, vol.54, no.1, pp.206-214, 2012 (SCI-Expanded)
5. **A fuzzy decision support system for digital camera selection based on user preferences**
Alptekin S. E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.39, no.3, pp.3037-3047, 2012 (SCI-Expanded)
6. **An integrated decision framework for evaluating and selecting e-learning products**
ALPTEKİN S. E., KARSAK E. E.
APPLIED SOFT COMPUTING, vol.11, no.3, pp.2990-2998, 2011 (SCI-Expanded)

7. **Product evaluation and development process using a fuzzy compromise-based goal programming approach**
Tolga E., ALPTEKİN S. E.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.19, pp.285-301, 2008 (SCI-Expanded)
8. **Application of a hybrid intelligent decision support model in logistics outsourcing**
Isiklar G., Alptekin E., Buyukozkan G.
COMPUTERS & OPERATIONS RESEARCH, vol.34, no.12, pp.3701-3714, 2007 (SCI-Expanded)
9. **Product planning in quality function deployment using a combined analytic network process and goal programming approach**
Karsak E., Sozer S., Alptekin S.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.44, no.1, pp.171-190, 2003 (SCI-Expanded)

Articles Published in Other Journals

1. **Evaluation of Blockchain Technology for Supply Chains using an Integrated Fuzzy Cognitive Map-QFD Methodology**
Maden A., Alptekin E.
Journal of advanced research in natural and applied sciences (Online), vol.10, no.2, pp.252-271, 2024 (Peer-Reviewed Journal)
2. **Computer Aided Diagnosis System of Thyroid Nodules from Scintigraphic Images**
Sezer A., Alptekin S. E.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.25, no.75, pp.559-567, 2023 (Peer-Reviewed Journal)
3. **Internet of Things: How to Design a Sustainable Product?**
ALPTEKİN S. E.
Journal of Management and Engineering Integration, vol.10, no.2, pp.28-35, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

1. **Investigating Smart City Applications: A Case Study from İstanbul**
Taş M. A., ALPTEKİN S. E.
International Conference on Intelligent and Fuzzy Systems, INFUS 2024, Çanakkale, Turkey, 16 - 18 July 2024, vol.1088 LNNS, pp.61-69
2. **Procurement Performance Metric Selection Using SCOR Modelling and Scenario-Based Fuzzy Cognitive Map**
Maden A., ALPTEKİN S. E.
Intelligent and Fuzzy Systems - Intelligence and Sustainable Future Proceedings of the INFUS 2023 Conference, İstanbul, Turkey, 22 - 24 August 2023, vol.759 LNNS, pp.465-471
3. **A benchmark comparison of Gaussian process regression, support vector machines, and ANFIS for man-hour prediction in power transformers manufacturing**
Işık K., Alptekin S. E.
26th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, Verona, Italy, 7 - 09 September 2022, vol.207, pp.2567-2577
4. **A Capacity Allocation Model for Air Cargo Industry: A Case Study**
Ilgün D., Alptekin S. E.
International Conference on Intelligent and Fuzzy Systems, INFUS 2022, İzmir, Turkey, 19 - 21 July 2022, vol.505 LNNS, pp.426-437
5. **Prediction of University Students' Subjective Well-Being with Sleep and Physical Activity Data using Classification Algorithms**

Kiliç A. C., Karakus A., Alptekin E.

26th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems, KES 2022, Verona, Italy, 7 - 09 September 2022, vol.207, pp.2648-2657

6. **An improved BiGAN based approach for anomaly detection**
Kaplan M. O., Alptekin S. E.
24th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, Verona, Italy, 16 September 2020, vol.176, pp.185-195
7. **Understanding the Blockchain Technology Adoption from Procurement Professionals' Perspective - An Analysis of the Technology Acceptance Model Using Intuitionistic Fuzzy Cognitive Maps**
MADEN A., ALPTEKİN S. E.
International Conference on Intelligent and Fuzzy Systems, Turkey, 21 July 2020
8. **Prediction of stress levels with LSTM and passive mobile sensors**
Açıkmeşe Y., Alptekin S. E.
23rd International Conference on Knowledge-Based and Intelligent Information Engineering Systems, Budapest, Hungary, 4 - 06 September 2019, vol.159, pp.658-667
9. **Collaborative Filtering Based Recommender System Design For E-Commerce: A Case Study**
Artukarslan M., Alptekin S. E.
The Fourteenth International Conference on Internet and Web Applications and Services, Nice, France, 28 July - 02 August 2019, pp.21-26
10. **A framework for customer-oriented IoT product design**
ALPTEKİN S. E., ALPTEKİN G.
2nd European Conference on Electrical Engineering Computer Science, Bern, Switzerland, 20 - 22 December 2018, pp.1-6
11. **Industry 4.0 Product Design Framework: An Application in Healthcare Industry**
UÇAR E., ALPTEKİN S. E.
International Congress on Fundamental and Applied Sciences, ÜSKÜP, Macedonia, 18 - 22 June 2018, pp.208
12. **A Data Pricing Framework for Internet of Things Solutions**
ALPTEKİN S. E., ALPTEKİN G.
21st Conference of the International Federation of Operational Research Societies, Quebec City, Canada, 17 - 21 July 2017
13. **A K-Means Algorithm Application on Big Data**
Eren B., Karabulut E. C., ALPTEKİN S. E., Alptekin G. I.
World Congress on Engineering and Computer Science, San-Francisco, Costa Rica, 21 - 23 October 2015, pp.814-818
14. **Fully Electric Vehicle Adoption Strategies and State of the art ICT Challenges A Case Study for Turkey**
ÇELEBİ M. A., ALPTEKİN S. E.
Multidisciplinary Academic Conference on Economics, Management and Marketing, 7 - 08 August 2015, pp.1-8
15. **Spreadsheet Heuristic for Stochastic Demand Environments to Solve the Joint Replenishment Problem**
Turkay B., ALPTEKİN S. E.
World Congress on Engineering (WCE 2013), London, Canada, 3 - 05 July 2013, pp.506-507
16. **An integrated approach for defining pricing strategies in competitive markets**
Alptekin G. I., ALPTEKİN S. E.
International Conference on Information, Process and Knowledge Management, Cancun, Mexico, 1 - 06 February 2009, pp.54-55
17. **Product improvement by selecting appropriate suppliers: A case study**
ALPTEKİN S. E., Alptekin G. I.
International Conference on Information, Process and Knowledge Management, Cancun, Mexico, 1 - 06 February 2009, pp.129-130
18. **Product development process using a fuzzy compromise-based goal programming approach**

Tolga E., ALPTEKİN S. E.

International Conference on Computational Science and Its Applications (ICCSA 2007), Kuala-Lumpur, Malaysia, 26 - 29 August 2007, vol.4705, pp.832-834

Academic and Administrative Experience

2008 - Continues	Vice Dean	Galatasaray Üniversitesi, Mühendislik ve Teknoloji Fakültesi, Endüstri Mühendisliği Bölümü
2007 - 2008	Assistant Director of the Institute	Galatasaray Üniversitesi, Mühendislik ve Teknoloji Fakültesi, Endüstri Mühendisliği Bölümü

Courses

Yapay Sinir Ağları, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Enterprise Resources Planning, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Yönetim ve Organizasyon, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Veri Tabanı Yönetimi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Advising Theses

Alptekin S. E., A BENCHMARK COMPARISON OF GAUSSIAN PROCESS REGRESSION, SUPPORT VECTOR MACHINES, AND ANFIS FOR MAN-HOUR PREDICTION IN POWER TRANSFORMERS MANUFACTURING, Postgraduate, K.IŞIK(Student), 2022

ALPTEKİN S. E., Data-Driven Human Behavior Modeling with Machine Learning, Postgraduate, Y.AÇIKMEŞE(Student), 2019

ALPTEKİN S. E., COLLABORATIVE FILTERING BASED RECOMMENDER SYSTEM DESIGN FOR E-COMMERCE, Postgraduate, M.ARTUKARSLAN(Student), 2019

ALPTEKİN S. E., COMPUTER BASED DIAGNOSIS SYSTEM OF THYROID NODULES FROM SCINTIGRAPHIC IMAGES, Postgraduate, A.SEZER(Student), 2018

ALPTEKİN S. E., Software development effort estimation by using artificial neural networks, Postgraduate, T.UĞURLU(Student), 2017

ALPTEKİN S. E., Spreadsheet heuristic for volatile demand environments to solve the joint replenishment problem, Postgraduate, B.TÜRKAY(Student), 2013

ALPTEKİN S. E., Cross selling decision support system in private pension and life insurance systems, Postgraduate, B.YAKAN(Student), 2013

ALPTEKİN S. E., Effects of disinflation on banks in terms of profitability: A nonparametric study on Turkish commercial banks, Postgraduate, E.AYAZ(Student), 2010

Metrics

Publication: 31

Citation (WoS): 568

Citation (Scopus): 723

H-Index (WoS): 6

H-Index (Scopus): 7

Research Areas

Computer Learning, Fuzzy Sets and Systems, Decision Support Systems