

Res. Asst. BANU ÇALIŞ USLU

Personal Information

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Biography

Banu Çalış Uslu is a Research Associate Dr. at Marmara University. She graduated from Sakarya University Faculty of Engineering Industrial Engineering Department in 2000. Following graduation, she worked as a planning and project engineer for three years. In 2008, she completed the master's degree program at Marmara University on Engineering Management. In 2015, she received a Ph.D. title by completing the Ph.D. program of Marmara University on Industrial Engineering. After she finalized her doctorate, she went to the UK, worked as a Postdoctoral Researcher. Banu Çalış Uslu has scientific publications in internationally and nationally acclaimed journals in the field of scheduling, optimization, simulation, and agent-based systems and presentations in international and national scientific congresses on her research areas.

Education Information

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Industrial Engineering (Eng), Turkey 2008 - 2015

Post Graduate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Engineering Management (Eng), Turkey 2005 - 2008

Under Graduate, Sakarya Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 1996 - 2000

Dissertations

Doctorate, COOPERATION & COORDINATION OF DISTRIBUTED INTELLIGENT AGENTS FOR MANUFACTURING SYSTEMS, Marmara Üniversitesi, Faculty of Engineering, Endüstri Mühendisliği Bölümü, 2015

Post Graduate, A General Framework for Multi-Agent Manufacturing Systems, Marmara Üniversitesi, Faculty of Engineering, Endüstri Mühendisliği Bölümü, 2008

Research Areas

Industrial Engineering , Stochastic Modeling, Optimization Theory and Methods, Simulation, Strategic planning

Academic Titles / Tasks

Research Assistant, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2005 - Continues

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

- I. **Analysis of factors affecting IoT-based smart hospital design**
Uslu B., Okay E., DURSUN E.
Journal of Cloud Computing, vol.9, no.1, 2020 (Journal Indexed in SCI Expanded)
- II. **A HEURISTIC APPROACH TO MINIMISING MAXIMUM LATENESS ON A SINGLE MACHINE**
Calis B., Bulkan S., Tuncer F.
SOUTH AFRICAN JOURNAL OF INDUSTRIAL ENGINEERING, vol.26, no.3, pp.41-53, 2015 (Journal Indexed in SCI)
- III. **A research survey: review of AI solution strategies of job shop scheduling problem**
ÇALIŞ USLU B., BULKAN S.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.26, no.5, pp.961-973, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A Comprehensive Assessment of Agile and Classic Software Development Methodologies in Turkey**
Çalışkan D., Yavuz A. F. , Doğan B., Çalış Uslu B.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.10, no.1, pp.149-159, 2021 (National Refereed University Journal)
- II. **Capability model and competence measuring for smart hospital system: an analysis for Turkey**
Çalış Uslu B.
International Journal of Health Services Research and Policy, vol.5, no.1, pp.41-50, 2020 (International Refereed University Journal)
- III. **Big Data Analytics and Simulation for Better Strategic Management**
Şen E., Körük E., Serper N., Çalış B.
Journal of Current Researches on Engineering, Science and Technology, vol.5, no.2, pp.1-12, 2019 (Refereed Journals of Other Institutions)
- IV. **Agent Based Simulation Model for Profit Maximization**
ÇALIŞ B.
Journal of Military and Information Science, vol.4, pp.26-33, 2016 (Refereed Journals of Other Institutions)
- V. **EFFICIENCY MEASURES IN THE HEALTHSERVICES WITH DEA AN OVERVIEW**
ÇALIŞ B., Nilgün G., Hakan T.
Journal of Naval Science and Engineering, vol.6, pp.1-14, 2010 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Knowledge Management Strategies for Higher Education**
Çalış B., Doğan B., Yıldız K., Baş A., Demir Ö., Ülkü E. E.
in: Enhancing Academic Research and Higher Education With Knowledge Management Principles, Suzanne Zyngier, Editor, IGI GLOBAL, Sydney, pp.1-10, 2021
- II. **A Comprehensive Study on Internet of Things Based on Key Artificial Intelligence Technologies and Industry 4.0**
Çalış B., Fırat S. Ü.
in: Advanced Metaheuristic Methods in Big Data Retrieval and Analytics, Baghdad Atmani vd., Editor, IGI Global, Arizona, pp.1-26, 2019
- III. **Paydaş Analizi.**
YILDIZ M. L. , BAKOĞLU R., ÖNCER A. Z. , ÇALIŞ B.
in: Üniversitelerde STRATEJİ GELİŞTİRME SÜRECİNDE Uygulamalı DURUM ANALİZLERİ, Refika Bakoğlu, Müge Leyla Yıldız, Editor, Beta BASIM YAYIM DA/ITIM A.Ş, İstanbul, pp.27-45, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Estimation of Domestic Solid Waste Amount with Exponential Smoothing Method and Artificial Neural Network Models: An Application for Istanbul Province**
Akgül M., Kalaycı E. E. , Doğan B., Çalış Uslu B.
Innovations in Intelligent Systems and Applications Conference (ASYU), 15 - 17 October 2020, pp.1-6
- II. **A Comparative Study of PCA and LBP for Face Recognition Under Illumination Variations**
Erol M. K. , Kapan U. A. , Öztürk M. K. , Çalış Uslu B., Baş A.
Innovations in Intelligent Systems and Applications Conference (ASYU), 15 - 17 October 2020, pp.1-5
- III. **An Integrated Model for Sustainable Procurement Management**
ÇALIŞ B.
International Symposium on Engineering Natural Sciences and Architecture, Kocaeli, Turkey, 2 - 04 May 2019, pp.326-332
- IV. **Effects of Decision Levels for Management of the Operating Theatre Scheduling Problem**
ÇALIŞ B., Perera T.
Engineering and Technology Management Summit 2018, İstanbul, Turkey, 4 - 05 October 2018, pp.71-82
- V. **Goal Directed Supplier Selection Model: An Agent Based 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
- VI. **PROFIT BASED SCHEDULING USING AGENT BASED ARCHITECTURE A Single Machine Problem**
ÇALIŞ B.
International Conference on Value Chain Sustainability, İstanbul, Turkey, 12 - 13 March 2015
- VII. **A Research Survey: Application Of AI Strategies For Optimal Production Scheduling” 27 September - Antalya**
ÇALIŞ B., BULKAN S.
8th International Symposium on Intelligent and Manufacturing Systems, Antalya, Turkey, 27 December 2012
- VIII. **Future Engineering Education**
Çalış B., Er Kara M.
The International Higher Education Congress: New Trends and Issues (UYK-2011), İstanbul, Turkey, 27 May 2011, pp.1915-1922
- IX. **Applicability of Process Control Techniques in PET Strapping Production Process**
ÇALIŞ B., ŞENVAR Ö., Çiğdem B. T. , FIRAT S. Ü.
Yöneylem Araştırması ve Endüstri Mühendisliği 30. Ulusal Kongresi, İstanbul, Turkey, 30 June - 02 July 2010
- X. **Application of Process Control Techniques in PET Strapping Production Process**
ÇALIŞ B., Turğut B. T. , ŞENVAR Ö., FIRAT S. Ü.
Yöneylem Araştırması ve Endüstri Mühendisliği 30. Ulusal Kongresi'ni (YAEM 2010), İstanbul, Turkey, 30 June - 02 July 2010, pp.353
- XI. **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
- XII. **Gelecekte İmalat Sistemleri ve Manufuture**
ÖZTEMEL E., ÇALIŞ B.
Yöneylem Araştırması ve Endüstri Mühendisliği 27. Ulusal Kongresi, İzmir, Turkey, 2 - 04 July 2007

Supported Projects

Çalış Uslu B., Demir Ö., Doğan B., Yıldız K., Baş A., Ülkü E. E. , Newton Programme Project, Location optimisation of underground and aboveground containers and development of a dynamic, intelligent and sustainable scheduling for solid waste collection in urban areas: A case study of Maltepe Municipality, 2020 - 2021

Citations

Total Citations (WOS):53

h-index (WOS):1

Awards

Çalış Uslu B., Honorary Rosalind Member of London Journals Press, London Journals Press, August 2020