

## PERSONAL DETAILS

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*Address* Department of Industrial Engineering  
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## EDUCATION

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**PhD Candidate** 2014-pres  
*Industrial Engineering, Sakarya University, TURKEY*  
Supervisors: Asst. Prof. Dr. Halil Ibrahim Demir  
Thesis: Integrated Process Planning, Scheduling And Due Date Assignment in the Dynamic Environment

**MSc** 2010-2013  
*Industrial Engineering, Istanbul University, TURKEY*  
Supervisors: Asst. Prof. Dr. Fatih Tuysuz  
Thesis: Rough Set Theory and an Application on Traffic Accidents

**B.Sc** 2006-2010  
*Industrial Engineering, Istanbul Commerce University, Turkey*  
Supervisors: Prof. Dr. Mustafa  
Thesis: Application of Motion Economy and Ergonomy in a Textile Company

## PROFESSIONAL EXPERIENCE

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**Research Assistan** Sakarya University, Turkey  
*2014-present*

## PUBLICATIONS

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- [1] Fatma Nur Arslan, Çagatay Teke, and Caner Erden. Project Management Application in Food Machine Manufacturing Company. *International Journal of Engineering and Technology Research*, 2(1):7–12, jun 2017.
- [2] Emre Ceviz and Caner Erden. Growth rate factor analysis of Turkey using Grey system theory. *Sakarya University Journal of Science*, 19(3):361–369, aug 2015.
- [3] Halil Ibrahim Demir, Tark Cakar, Ibrahim Cil, Muharrem Dugenci, and Caner Erden. Integrating Process Planning, WMS Dispatching, and WPPW Weighted Due Date Assignment Using a Genetic Algorithm. *International Journal of Computer and Information Engineering*, 10(7):1290–1298, 2016.

- [4] Halil Ibrahim Demir and Caner Erden. Solving process planning and weighted scheduling with WNOPPT weighted due-date assignment problem using some pure and hybrid meta-heuristics. *Sakarya University Journal of Science*, 21(2):1–1, apr 2017.
- [5] Halil Ibrahim Demir, Caner Erden, Ayhan Demiriz, Muharrem Düğenci, and Ozer Uygun. Integrating Process Planning, WATC Weighted Scheduling, and WPPW Weighted Due-Date Assignment Using Pure and Hybrid Metaheuristics for Weighted Jobs. *International Journal of Computational and Experimental Science and Engineering*, 3(1):11–20, jun 2017.
- [6] Halil Ibrahim Demir, Caner Erden, Mumtaz Ipek, and Ozer Uygun. Solving Weighted Number of Operation Plus Processing Time Due-Date Assignment, Weighted Scheduling and Process Planning Integration Problem Using Genetic and Simulated Annealing Search Methods. *International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering*, 11(1):73–81, 2017.
- [7] Halil Ibrahim Demir, Alper Goksu, Onur Canpolat, Caner Erden, and Melek Nur. Solving Process Planning and Scheduling with Number of Operation Plus Processing Time Due-Date Assignment Concurrently Using a Genetic Search. *International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering*, 11(7):1297–1303, may 2017.
- [8] Caner Erden and Numan Çelebi. Accident Causation Factor Analysis of Traffic Accidents using Rough Relational Analysis. *International Journal of Rough Sets and Data Analysis*, 3(3):60–71, jul 2016.
- [9] Caner Erden, Abdullah Hulusi Kökçam, and Halil Ibrahim Demir. A Two-Phase Modeling with Genetic Algorithm for Solving Exam-Invigilator Timetabling Problem. *International Journal of Engineering and Technology Research*, 1(1):13–22, 2016.
- [10] Caner Erden and Muhammed Nazarov. Rough Sets Approach in Analysis of Yarn Friction Properties. *Erzincan University Journal of Science and Technology*, 9(1):75–86, jun 2016.
- [11] Caner Erden, Ahmet Erhan Tanyeri, Hakan gören, and Nurcan imek. Investigation of The Effect on the Buying Behavior of Female Figure Using Factor Analysis Method: Male Grooming Products Case. *Akademic Perspective*, (58):80–95, 2016.
- [12] Caner Erden, Alim Uçar, and Emre Erbay. Application of Basic Principles of Ergonomics in a Textile Workshop. *International Journal of Engineering and Technology Research*, 1(1):23–37, 2016.
- [13] Caner Erden, Furkan Yener, Ibrahim Çil, and Feyza Çerezci. Fuzzy Axiomatic Design for Solving the Facility Layout Problem of a Furniture Company. *International Journal of Operations and Logistics Management*, 5(3):145–155, 2016.
- [14] Ahmet Erhan Tanyeri, Caner Erden, and Feyza Çerezci. Students Profile Choosing Sakarya University in the 20162017 Fall Semester and Their Reasons to Choose. *The Online Journal of Quality in Higher Education*, 4(2):37–41, 2017.
- [15] Çagatay Teke, Caner Okutkan, and Caner Erden. Determining the Production Amounts in Textile Industry with Fuzzy Linear Programming. *International Journal of Engineering and Technology Research*, 2(1):1–6, 2017.

## **PRESENTED AS CONFERENCE ABSTRACT**

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- [1] Feyza Çerezci, Osman Çerezci, and Caner Erden. An Investigation of Awareness About Electromagnetic Pollution for Employees Using Data Mining Techniques. In *International Conference on Mathematics and Engineering*, page 340, Istanbul, may 2017.
- [2] Halil Ibrahim Demir, Tark Cakar, Ibrahim Cil, Muharrem Dugenci, and Caner Erden. Integrating Process Planning, WMS Dispatching, and WPPW Weighted Due Date Assignment Using a Genetic Algorithm. In *18th International Conference on Engineering and Technology Management*, page 10, Istanbul, jul 2016.

- [3] Halil Ibrahim Demir, Ayhan Demiriz, Muharrem Dugenci, Ozer Uygun, and Caner Erden. Integrating Process Planning, WATC Weighted Scheduling, and WPPW Weighted Due-Date Assignment Using Genetic Algorithm for Weighted Jobs. In *3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2016)*, number October, Antalya, oct 2016.
- [4] Halil Ibrahim Demir, Caner Erden, Mumtaz Ipek, and Ozer Uygun. Solving Weighted Number of Operation Plus Processing Time Due-Date Assignment, Weighted Scheduling and Process Planning Integration Problem Using Genetic and Simulated Annealing Search Methods. In *19th International Conference on Industrial Engineering and Management*, page 12, Dubai, jan 2017.
- [5] Halil Ibrahim Demir, Caner Erden, Abdullah Hulusi K k am, and Onur Canpolat. Solving Process Planning, WMS Dispatching, and WPPW Weighted Due-Date Assignment Simultaneously Using Random-Genetic-Hybrid Search. In *International Conference on Innovations in Natural Science and Engineering*, page 36, Famagusta, jan 2018.
- [6] Halil Ibrahim Demir, Burak Erkayman, Caner Erden, and Mumtaz Ipek. Integrated Process Planning , WATC Dispatching , and WPPW Weighted Due-Date Assignment Using a Hybrid-SA Search. In *2nd International Conference on Advanced Engineering Technologies (ICADET'17)*, page 1651, Bayburt, sep 2017.
- [7] Halil Ibrahim Demir, Alper Goksu, Onur Canpolat, Caner Erden, and Melek Nur. Solving Process Planning and Scheduling with Number of Operation Plus Processing Time Due-Date Assignment Concurrently Using a Genetic Search. In *19th International Conference on Advanced Industrial Engineering and Manufacturing Processes*, page 13, Istanbul, jul 2017.
- [8] Ahmet Erhan Tanyeri, Caner Erden, and Hakan g ren. Sakarya Universitesi Fen Bilimleri Enstit s n  2017-2018 G z Yar Ylnda Tercih Eden Yabanc Uyruklu Orencilerin Profili ve Tercih Nedenleri. In *International Conference on Quality in Higher Education(ICQH)*, page 222, Sakarya, dec 2017.

## **PUBLISHED AS CONFERENCE FULL TEXT**

- [1] Feyza  erezci, Osman  erezci, and Caner Erden. Investigation of Electromagnetic Pollution Awareness Trends with Apriori Algorithm. In *2nd International Conference on Advanced Engineering Technologies (ICADET'17)*, pages 541–545, Bayburt, sep 2017.
- [2] Halil Ibrahim Demir, Caner Erden, Alper Goksu, and Ozer Uygun. Solving Process Planning, ATC Scheduling and Due-date Assignment Problems Concurrently Using Genetic Algorithm for Weighted Customers. In *4th International Symposium on Innovative Technologies in Engineering and Science (ISITES2016) 3-5 Nov 2016 Alanya/Antalya - Turkey*, pages 1759–1770, Antalya, nov 2016.
- [3] Halil Ibrahim Demir, Abdullah Hulusi K k am, Mumtaz Ipek, and Caner Erden. Solving Process Planning, Weighted Apparent Tardiness Cost Dispatching, and Weighted Processing Plus Weight Due-Date Assignment Simultaneously Using a Hybrid Search. In *2nd International Conference on Advanced Engineering Technologies (ICADET'17)*, pages 337–351, Bayburt, sep 2017.
- [4] Caner Erden and Fatih T ys z. An Application of Rough Sets Theory on Traffic Accidents. In *International Conference on Engineering and Applied Sciences Optimization*, pages 2195–2208, Kos Island, jun 2014.
- [5] Mehmet Nebiolu, Ahmet Erhan Tanyeri, Caner Erden, and Feyza  erezci. Sakarya Universitesi Fen Bilimleri Enstit s n  2016-2017 G z Yar Ylnda Tercih Eden Orencilerin Profili ve Tercih Nedenleri. In *International Conference on Quality in Higher Education*, pages 695–700, Sakarya, nov 2016.
- [6] Metin Saygl, Aydn  zdemir, Ahmet Erhan Tanyeri, and Caner Erden. A Research on The Analysis of Attitudes Towards Environmental Consciousness and Eco-friendly Products Awareness: The Case of Adiyaman University. In *3rd International Symposium on Environment and Morality (ISEM2016) 4-6 Nov 2016 Alanya/Antalya - Turkey*, pages 1089–1098, Antalya, nov 2016.

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