

## Assoc. Prof. Mehmet Rüstü Taner

### Personal Information

**Office Phone:** [+90 312 585 0024](tel:+903125850024)

**Email:** [mehmet.taner@tedu.edu.tr](mailto:mehmet.taner@tedu.edu.tr)

**Web:** <https://avesis.tedu.edu.tr/mehmet.taner>

### International Researcher IDs

ScholarID: scCu\_XEAAAAJ

ORCID: 0000-0003-2516-5197

Publons / Web Of Science ResearcherID: G-6309-2018

ScopusID: 7003697104

Yoksis Researcher ID: 107975

### Biography

Dr. Taner received his B.S. degree in Industrial Engineering from Middle East Technical University in 1996. He earned his M.S. and Ph.D. degrees also in Industrial Engineering with a minor in Operations Research from North Carolina State University in 1998 and 2001, respectively. During his graduate studies, he worked as a research and teaching assistant at North Carolina State University. Before joining TED University, he was a faculty member at Rensselaer Polytechnic Institute (2002-2003) and Bilkent University (2003-2012).

His research interests lie in the area of design, analysis and optimization of production systems with a primary focus on scheduling and logistics problems. He published scientific papers in international refereed journals such as IIE Transactions, European Journal of Operational Research, International Journal of Production Research, International Journal of Production Economics, Networks and Spatial Economics, Computers and Industrial Engineering and IEEE Transactions on Aerospace and Electronic Systems. He also coauthored a book chapter published in Springer's International Series in Operations Research and Management Science.

He worked as a principal investigator and a researcher in various research projects sponsored by organizations such as the Scientific and Technical Research Council of Turkey; the Turkish Ministry of Science, Industry and Technology; the National Textile Institute of USA; OYAK-Renault and ASELSAN.

Dr. Taner served as an associate editor for OR Insight between 2009 and 2012. He is a member of INFORMS, POMS and YAD.

### Education Information

Doctorate, North Carolina State University, United States Of America 1998 - 2001

Postgraduate, North Carolina State University, United States Of America 1996 - 1998

Undergraduate, Middle East Technical University, Turkey 1991 - 1996

### Foreign Languages

English

Turkish

## Certificates, Courses and Trainings

R&D Management, Scientific Communication Series with the Library: SciVal Training, Saide Sak, Elsevier, TED University, 2024

## Research Areas

Industrial Engineering, Optimization Theory and Methods, Production Planning and Control, Quality and Reliability, Supply Chain and Logistics Management, Statistics, Optimization, Statistical Analysis and Applications

## Academic Titles / Tasks

Associate Professor, TED University, Faculty of Engineering, Department of Industrial Engineering, 2012 - Continues

Assistant Professor, Ihsan Dogramaci Bilkent University, Department of Industrial Engineering, 2003 - 2012

Assistant Professor, Rennsellaer Polytechnic Institute, Department of Decision Sciences and Engineering Systems, 2001 - 2003

Research Assistant, North Carolina State University, Department of Industrial Engineering, 1998 - 2001

Research Assistant, North Carolina State University, Department of Industrial Engineering, 1996 - 1998

## Academic and Administrative Experience

Erasmus Program Department Coordinator, TED University, Faculty Of Engineering, Department Of Industrial Engineering, 2024 - Continues

Member of University Quality Commission, TED University, Rectorate, 2023 - Continues

Head of Department, TED University, Faculty Of Engineering, Department Of Industrial Engineering, 2015 - Continues

Fakülte Kurulu Üyesi, TED University, Faculty Of Engineering, 2013 - Continues

Adaptation/Exemption Committee Member, TED University, Faculty Of Engineering, Department Of Industrial Engineering, 2024 - 2024

Rektörlük Stratejik Plan Komisyonu Üyesi, TED University, Rectorate, 2020 - 2022

Enstitü Yönetim Kurulu Üyesi, TED University, Graduate School, 2019 - 2022

TEDU Executive Committee, TED University, Rectorate, 2019 - 2022

Enstitü Kurulu Üyesi, TED University, Graduate School, 2019 - 2022

Director of The Institution, TED University, Graduate School, 2019 - 2022

Member of the Senate, TED University, Rectorate, 2015 - 2022

Member of a Disciplinary Committee in an Investigation for a Former Faculty Member, 2019 - 2019

Served as a Member of the Workgroup for the Revision of TEDU Lisans Eğitim, Öğretim Yönetmeliği, 2019 - 2019

Board of the Graduate School, 2018 - 2019

Quality Committee, 2018 - 2019

## Courses

Operations Scheduling, Postgraduate

Manufacturing and Service Operations Planning I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Quality Planning and Control, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Mathematical Modeling and Optimization I, Undergraduate, 2023 - 2024, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Operations Scheduling, Undergraduate, 2022 - 2023

Mathematical Programming for Engineering Management, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Graduation Project, Postgraduate, 2017 - 2018

Pre-thesis seminar, Postgraduate, 2017 - 2018

Introduction to Probability Theory, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Summer Practice I, Undergraduate, 2016 - 2017, 2015 - 2016

Summer Practice II, Undergraduate, 2016 - 2017

Introduction to Statistics, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

Introduction to Calculus of One Variable, Undergraduate, 2013 - 2014

## **Jury Memberships**

January, 2021

November, 2020

January, 2020

August, 2019

June, 2019

January, 2019

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Endogenous Effects of Hubbing on Flow Intensities**  
Taner M. R., Kara B. Y.  
NETWORKS & SPATIAL ECONOMICS, vol.16, no.4, pp.1151-1181, 2016 (SCI-Expanded)
- II. **Selective vehicle routing for a mobile blood donation system**  
Sahinyazan F. G., Kara B. Y., Taner M. R.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.245, no.1, pp.22-34, 2015 (SCI-Expanded)
- III. **Scheduling Beams with Different Priorities on a Military Surveillance Radar**  
Taner M. R., Karasan O. E., Yavuzturk E.  
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.48, no.2, pp.1725-1739, 2012 (SCI-Expanded)
- IV. **Hub Location Problems: The Location of Interacting Facilities**  
Kara B. Y., Taner M. R.  
FOUNDATIONS OF LOCATION ANALYSIS, vol.155, pp.273-288, 2011 (SCI-Expanded)
- V. **The role of repair strategy in warranty cost minimization: An investigation via quasi-renewal processes**  
Samath-Pac G., Taner M. R.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.197, no.2, pp.632-641, 2009 (SCI-Expanded)
- VI. **Satisfying due-dates in the presence of sequence dependent family setups with a special comedown structure**  
Taner M. R., Hodgson T. J., King R. E., Schultz S. R.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.52, no.1, pp.57-70, 2007 (SCI-Expanded)
- VII. **Minimizing L-max for the single machine scheduling problem with family set-ups**  
Schultz S., Hodgson T., King R., Taner M. R.

- INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.42, no.20, pp.4315-4330, 2004 (SCI-Expanded)
- VIII. **Satisfying due-dates in a job shop with sequence-dependent family set-ups**  
Taner M. R., Hodgson T., King R., Thoney K.  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.41, no.17, pp.4153-4169, 2003 (SCI-Expanded)
- IX. **Satisfying due-dates in large multi-factory supply chains**  
Thoney K., Hodgson T., King R., Taner M. R., Wilson A.  
IIE TRANSACTIONS, vol.34, no.9, pp.803-811, 2002 (SCI-Expanded)
- X. **Satisfying due-dates in large multi-factory supply chains**  
Thoney K. A., Hodgson T. J., King R. E., Taner M. R., Wilson A. D.  
IIE Transactions (Institute of Industrial Engineers), vol.34, no.9, pp.803-811, 2002 (SCI-Expanded)
- XI. **On the sensitivity of project variability to activity mean duration**  
Elmaghraby S., Fathi Y., Taner M. R.  
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.62, no.3, pp.219-232, 1999 (SCI-Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Sustainable and Cost-Effective Reverse Logistics Network Design for Electric Vehicle Batteries**  
Yayalar Y. Ş., Serper E. Z., Taner M. R.  
YAEM 2023, Gaziantep, Turkey, 1 - 03 November 2023
- II. **Parallel dedicated machine scheduling with A single server: Full precedence case**  
Schultz S. R., Taner M. R.  
IIE Annual Conference and Exhibition 2004, Houston, TX, United States Of America, 15 - 19 May 2004, pp.841-846

### **Scientific Refereeing**

Computers and Operations Research, October 2021  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, July 2021  
Computers and Operations Research, July 2021  
Computers and Industrial Engineering, March 2021  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, January 2021  
Computers and Industrial Engineering, December 2020  
Computers and Industrial Engineering, August 2020  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, July 2020  
Computers and Industrial Engineering, July 2020  
Computers and Industrial Engineering, May 2020  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, April 2020  
Computers and Operations Research, January 2020  
Computers and Industrial Engineering, November 2019  
Computers and Industrial Engineering, November 2019  
Computers and Industrial Engineering, March 2019  
Computers and Industrial Engineering, February 2019