

Prof. ABDULKERİM KAR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-9935-2021

Yoksis Researcher ID: 8511

Education Information

Doctorate, Massachusetts Institute of Technology, United States Of America 1977 - 1980

Postgraduate, Massachusetts Institute of Technology, United States Of America 1974 - 1976

Undergraduate, Istanbul Technical University, Makine Fakültesi, Makine Mühendisliği Bölümü, Turkey 1969 - 1973

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Fundamental Properties and Performance of Generic Passenger Rail Vehicles, Massachusetts Institute of Technology, 1980

Academic and Administrative Experience

Istanbul Sehir University, 2018 - Continues

Marmara University, 1996 - 2018

Marmara University, 2013 - 2013

Marmara University, 2012 - 2013

Marmara University, 2011 - 2013

Marmara University, 2009 - 2011

Marmara University, 1996 - 2005

Marmara University, 1996 - 2000

Courses

Machine Dynamics and Vibrations, Undergraduate, 2021 - 2022

Machine Elements, Undergraduate, 2021 - 2022

Dynamics, Undergraduate, 2021 - 2022, 1991 - 1992, 1990 - 1991

Statistics for Engineers, Undergraduate, 2021 - 2022, 2018 - 2019

Machine Design I, Undergraduate, 2021 - 2022, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2007 -

2008, 2005 - 2006, 2000 - 2001, 1994 - 1995, 1992 - 1993, 1991 - 1992, 1990 - 1991
Principles of Design, Postgraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012, 2007 - 2008, 2005 - 2006
Machine Design II, Undergraduate, 2020 - 2021, 2018 - 2019, 2010 - 2011, 2007 - 2008, 2005 - 2006, 1994 - 1995, 1993 - 1994, 1991 - 1992, 1990 - 1991
Manufacturing Processes, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
ÜRETİM SÜREÇLERİ, Postgraduate, 2018 - 2019
Bilgisayar Becerileri, Undergraduate, 2018 - 2019
INTRODUCTION TO MECHANICAL ENGINEERING, Undergraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016, 1996 - 1997
Materials Selection in Design, Doctorate, 2017 - 2018
ADVANCED PROBABILITY, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2011 - 2012, 1993 - 1994
Natural Gas Engineering, Undergraduate, 2016 - 2017
Materials Selection in Design and Manufacturing, Doctorate, 2016 - 2017, 2015 - 2016
LINEAR ALGEBRA, Undergraduate, 2014 - 2015, 1996 - 1997
CALCULUS II, Undergraduate, 2014 - 2015, 1996 - 1997
CALCULUS I, Undergraduate, 2014 - 2015, 1996 - 1997
MANUFACTURING PROCESSES I, Undergraduate, 2012 - 2013, 2009 - 2010, 2005 - 2006, 1991 - 1992
Introduction to Finite Element Analysis, Undergraduate, 2012 - 2013
System Dynamics and Control, Undergraduate, 2012 - 2013
ENGINEERING PROJECT I, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 1994 - 1995, 1992 - 1993
Automotive Engineering, Undergraduate, 2011 - 2012
ENGINEERING PROJECT II, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 1994 - 1995
Machine Design Project, Undergraduate, 2010 - 2011
MECHANICAL SYSTEM DESIGN, Undergraduate, 2009 - 2010, 2008 - 2009, 1994 - 1995, 1993 - 1994
PROBABILISTIC MECHANICAL DESIGN, Doctorate, 2009 - 2010, 2007 - 2008
RELIABILITY IN DESIGN, Postgraduate, 2008 - 2009, 2006 - 2007
Modern Control, Doctorate, 2006 - 2007
Machine Elements II, Undergraduate, 2006 - 2007
Strength of Materials, Undergraduate, 2006 - 2007
Machine Elements I, Undergraduate, 2006 - 2007
MECHANICAL VIBRATIONS, Undergraduate, 2006 - 2007, 1991 - 1992
HVAC Design, Undergraduate, 2005 - 2006
Special topics in Design, Doctorate, 2005 - 2006
Technical Drawing, Undergraduate, 1996 - 1997
Advanced Vibrations, Postgraduate, 1994 - 1995, 1992 - 1993
Optimization of Mechanical Systems, Postgraduate, 1991 - 1992
Statics, Undergraduate, 1990 - 1991
Advanced System Dynamics and Control, Postgraduate, 1990 - 1991
Thermodynamics, Undergraduate, 1990 - 1991

Books & Book Chapters

I. Hybrid Energy Harvester (HEHs)-A Review

Güre N., KAR A., TAÇGIN E., ŞİŞMAN A., Tabatabaei M.

in: Energy Harvesting and Energy Efficiency: Technology, Methods and Applications, Nicu bizon etc, Editor, Springer International Publishing AG, pp.17-61, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **An Axiomatic Design Approach to Multiobjective Optimization**
Esin T., KAR A.
ESDA 2010, 16 - 18 July 2010
- II. **Comparison of Efficient techniques for Fuzzy Multiobjective Design Optimization**
Kentli A., KAR A.
13th International Conference on Machine Design and Production, 3 - 05 September 2008
- III. **Measures for Information Content in Design**
KAR A., Erdoğan K.
ESDA 2002, 8 - 11 July 2002
- IV. **Axiomatic Design for the Development of Enterprise Level E-Commerce Strategies**
Martin B., KAR A.
2nd International Conference on Axiomatic Design at MIT, 10 - 11 June 2002
- V. **Linking Axiomatic Design and taguchi Methods via Information Content in Design**
KAR A.
First International Conference on Axiomatic Design at MIT, 21 - 23 June 2000