

## Lect. PhD MUHTAR URAL ULUER

### Personal Information

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### International Researcher IDs

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ORCID: 0000-0002-6567-540X

Publons / Web Of Science ResearcherID: B-5082-2013

ScopusID: 56580350500

Yoksis Researcher ID: 182858

### Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey 2007 - 2024

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey 2003 - 2007

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey 1999 - 2003

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Development of design software for rotational parts based on energy consumption and carbon footprint estimation model, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 2024

Postgraduate, Development of a bidding algorithm used in an agent-based shop-floor control system, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2007

### Research Areas

Mechanical Engineering, Construction and Manufacturing

### Academic Titles / Tasks

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2010 - Continues

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2005 - 2010

## Courses

COMPUTER AIDED ENGINEERING GRAPHICS, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

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

- I. **A framework for energy reduction in manufacturing process chains (E-MPC) and a case study from the Turkish household appliance industry**

ULUER M. U., ÜNVER H. Ö., Gök G., FESCİOĞLU-ÜNVER N., KILIÇ S. E.

JOURNAL OF CLEANER PRODUCTION, vol.112, pp.3342-3360, 2016 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **An investigation into power and energy requirements for the auxiliary components of a CNC lathe**

ULUER M. U., ÜNVER H. Ö., AKKÖK M., KILIÇ S. E.

The 17th International Conference on Machine Design and Production, Bursa, Turkey, 12 - 15 July 2016, vol.2, pp.611-628

- II. **A Model for Predicting Theoretical Process Energy Consumption of Rotational Parts Using STEP AP224 Features**

ULUER M. U., ÜNVER H. Ö., Akkuş K., KILIÇ S. E.

20th CIRP International Conference on Life Cycle Engineering, Singapore, 17 - 19 April 2013, vol.1, pp.141-146

- III. **An Eco-Improvement Methodology for Reduction of Product Embodied Energy in Discrete Manufacturing**

ÜNVER H. Ö., ULUER M. U., ALTIN KAYHAN A., TAŞCIOĞLU Y., KILIÇ S. E.

19th CIRP Conference on Life Cycle Engineering, Berkeley, United States Of America, 23 - 25 May 2012, vol.1, pp.405-410

## Metrics

Publication: 4

Citation (WoS): 16

Citation (Scopus): 17

H-Index (WoS): 1

H-Index (Scopus): 1

## Awards

Excellence in Education Award, Prof. Dr. Mustafa N. Parlar Education And Research Foundation, December 2018

Instructor of the Year Award, Prof. Dr. Mustafa N. Parlar Education And Research Foundation, December 2017

Instructor of the Year Award, Prof. Dr. Mustafa N. Parlar Education And Research Foundation, December 2016