

**Yunus YİLMAZ**

Undergraduate Senior Student of Electrical and Electronics Engineering of Middle East Technical University

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Professional profile

I am Yunus Yilmaz, student in METU Electrical and Electronics Engineering and undergraduate researcher at CEMMETU.

Career Summary

**June 2019–July 2019 TAI - TUSAŞ, Ankara**

**Student Intern**

*Outline*

As a summer intern, my goal was to observe aerospace defence industry and experience practical implementations of my theoretical background.

*Key responsibilities*

* Designed AC-AC, AC-DC, DC-DC converters
* Designed switched power supplies
* Analysed current mode control techniques
* Debugged VHDL designs

**August 2018 – September 2018 ELESTAŞ Electricity Production Inc. Eskişehir**

**Student Intern**

*Outline*

ELESTAŞ is a green energy company. The company builds only renewable energy centrals.

*Key responsibilities*

* The selection of cables that are going to use in the central
* Continuity of the production
* Principles of the inverters and productivity

**December 2017 – Present CEMMETU, Ankara**

**Undergraduate Researcher**

*Outline*

As undergraduate researcher, my role in the research group is designing composite structures and antennas according to required electromagnetic properties and testing designed structures by different algorithms.

Education and qualifications

* **Electrical and Electronics Engineering , 2,61/4 –** Middle East Technical University – 2020
* **High School, 91/100 –** Çanakkale Science High School– 2015
* **Primary School, 94/100 –** 75. Yıl Primary School – 2011

Publications and research

**Investigation of Waveguide Structures Using Surface Integral Equations,** CEMMETU (02/2018 – Present)

**Investigation of Layered Spherical Structures,** CEMMETU (10/2018 – Present)

**Pinball Game Design with VerilogHDL**, METU EEE Logic Design Project, February 2019 – June 2019

**Wireless Communication System Design,** METU EEE Analog Design Project, September 2018 – February 2019

**Fire Alarm System Design**, METU EEE Circuit Laboratory Project, February 2018 – June 2018

**Solar Tracking System Design,** METU EEE Circuit Laboratory Project, September 2017 – February 2018

Skills

* MATLAB Programming
* MS Office
* Simulink
* VerilogHDL Programming
* Teamwork
* Active Listening

Languages

* **Turkish** - Native
* **English -** Advanced
* **German** – Elementary

References available on request

* Özgür ERGÜL, Assoc.Prof. Middle East Technical University,Ankara