



Tuğrul Uslu
tugrul.uslu@ikcu.
edu.tr

Address
İzmir Katip Çelebi
University
Balatçık, İzmir
Turkey

Tuğrul Uslu

Mechanical Engineer

Education

2018 - 2020, İzmir Katip Çelebi University

MEng in Mechanical Engineering

2014 - 2018, İzmir Katip Çelebi University

BS in Mechanical Engineering

Experience

April 2018 - present, *Research Assistant*, İzmir Katip Çelebi University

Skills

Programming & Software

- Python
- ROS
- Matlab
- Linux
- C
- Bash

Language

- Turkish
- English

Awards

2014, *First Prize in Mechatronics*, UCTEA İzmir Branch of Chamber of Mechanical Engineers, Graduation Projects Exhibit and Competition

Awarded to best of mechatronics themed graduation project in competition.

2014, *First Prize*, İzmir Katip Çelebi University, Graduation Projects Exhibit and Competition

Awarded to best of graduation project in competition.

Interests

Professional

Medical robotics, mechatronics, surgical navigation, robot programming, software development

Personal

Technology, mediums of art, music, walking



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Papers & Conferences

Tuğrul Uslu et al. “Utilization of low cost motion capture cameras for virtual navigation Procedures: Performance evaluation for surgical navigation”. In: *Measurement* 181 (Aug. 2021), p. 109624. DOI: 10.1016/j.measurement.2021.109624. URL: <https://doi.org/10.1016/j.measurement.2021.109624>

Tuğrul USLU, Didem Güzin, and Erkin GEZGIN. “Integration of Surgical Navigation to a Spherical Parallel Manipulator for Robotic Brain Biopsy”. In: *Florida Conference for Recent Advances in Robotics* (2021)

Tuğrul USLU, Levent ÇETİN, and Erkin GEZGIN. “Preliminary Study of a Surgical Navigation with Point Based Registration Method”. In: *3. International Conference on Medical Devices* (2020)