

Curriculum Vitae

Ankara, Turkey

- Gender: F ▪ DOB: 07 April 1992, Ankara, Turkey
- Nationality: Turkish ▪ fnsen@thk.edu.tr



EDUCATION

PhD (2019-Ongoing), Mechanical Engineering Department, Hacettepe University, Ankara, Turkey

Supervisor: Asst. Prof. Selcuk HIMMETOGLU

Key Coursework: Vehicle Safety, Prevention Injury, Female Human Body Model, Occupant's Seat Design, Crash Simulation

M.Sc. 2019, Mechatronics Engineering Department, Çankaya University, Ankara, Turkey

Supervisor: Asst. Prof. Ulas BELDEK

Key Coursework: Control Theories, Genetic Algorithm Optimization,

Thesis Title: Design and Implementation of Control Algorithms for Stabilization of Rotary Inverted Pendulum

GPA: 3.71/4.00

B.Sc., 2015, Mechanical Engineering, Atılım University, Ankara, Turkey

GPA: 3.74/4.00 (1st Ranking)

PROFESSIONAL EXPERIENCE

University of Turkish Aeronautical Association, Ankara, Turkey

Research Assistant, Mechanical Engineering Department (September 2020-Present)

Research Assistant, Mechatronic Engineering Department (January 2020 – September 2020)

Çankaya University, Ankara, Turkey

Research Assistant, Mechatronic Engineering Department (December 2017 – September 2019)

Novumek Engineering Company, Ankara, Turkey

Mechanical Engineer, (Research and Development) (September 2015-September 2016)

Atılım University, Ankara Turkey

Student Assistant, Mechanical Engineering Department, (2014-2015)

HONORS / AWARDS

1st ranking student honor in mechanical engineering, Atılım University, 2015

1st ranking student honor in mechanical engineering, Chamber of Mechanical Engineers of Turkey, 2015

“The Best 50 Students”, Atılım University, 2014

“Promising Project Awards in Participation of Undergraduate Research Projects “, Atılım University, 2014

LANGUAGES

Turkish (Mother Language), English (Fluently), German (Limiting Working Proficiency)

CONFERENCES and PUBLICATIONS

Female Modelling and Protection in Road-Traffic Accidents

Proceedings of 26th International Scientific Conference. Transport Means 2022. October 5-7, 2022 (Speaker)

Genetic Algorithm Based Stabilization of Rotary Inverted Pendulum by State Feedback Pre Print
Doi: <https://doi.org/10.21203/rs.3.rs-2373423/v1>

State Feedback's Gains Limitations with Routh Hurwitz Criteria for Controlling Rotary Inverted Pendulum 2nd International Congress of Engineering and Natural Sciences Studies May 5, 2022 (Speaker)

Presentation of “Design of Active Disturbance Rejection Based Controller for a Mobile Assembly Positioner “in 17th International Conference on Machine Design and Production (UMTIK-2016), Bursa, Turkey, 2016

17th International Conference on Machine Design and Production (UMTIK-2016), Bursa, Turkey, 2016 (Speaker)

Istanbul - Innovation Weeks, İstanbul, Turkey, 2014 (Presentation of Undergraduate Project)

PROJECTS

Member of “Design of Mobile Assembly Positioner “, in FNSS Defense Company sponsored by Scientific and Technological Research Council of Turkey

Graduate Project of B.S., “Ultra-Light Electrical Bike Undergraduate Research Project