

## Res. Asst. Ammar URGAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-1785-2020

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### Education Information

Doctorate, Yıldız Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, Turkey 2023 - Continues

Postgraduate, Yıldız Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, Turkey 2019 - 2023

Undergraduate, Yıldız Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, Turkey 2014 - 2019

### Dissertations

Postgraduate, Teleoperation in haptic robots, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Kontrol ve Otomasyon Mühendisliği, 2023

### Research Areas

Control and System Engineering, Simulation, Modelling and Identification, Nonlinear Systems, Industrial automation, Stability, Control Systems and Instrumentation, Optimal Control, Neural Networks, Fluid Machinery, Computer Aided Design and Manufacturing, Finite Element Methods, Mechanical Testing, Computational fluid dynamics

### Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2020 - Continues

### Academic and Administrative Experience

Araştırma Görevlisi Fakülte Temsilcisi, Yıldız Technical University, Faculty Of Electrical & Electronics, Control And

Automation Engineering, 2022 - Continues

Exam Program Preparation Commission Member, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2021 - Continues

Curriculum Preparation Committee Member, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2021 - Continues

Bölüm Kalite Komisyonu Üyesi, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2021 - Continues

Adaptation/Exemption Committee Member, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2020 - Continues

## Articles Published in Other Journals

### I. Bilateral Teleoperation with Computed Torque Control for RRR Type Robot Manipulator

Urgan A., Daşdemir J.

ITU Computer Science AI and Robotics, vol.1, no.1, pp.26-32, 2024 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

### I. A PSO-based backstepping pseudo-sliding mode speed controller design for PMSM drives

Urgan A., Adıgüzel F.

3rd Annual Online Conference of the IEEE Industrial Electronics Society (IES)(IEEE IES ONCON 2024), Beijing, China, 8 - 10 December 2024, pp.1-6

### II. Backstepping Sliding Mode Controller Design with Controller Gain Tuning for Speed Control of Permanent Magnet Synchronous Motor

Urgan A., Adıgüzel F.

25.Otomatik Kontrol Ulusal Konferansı (TOK 2024), Konya, Turkey, 12 - 14 September 2024, pp.702-707

### III. Calculation of Model-Predictive-Controller Coefficients by Nature Inspired Algorithms and Performance Analysis

Yazıcı E., Urgan A., Gazi V.

25.Otomatik Kontrol Ulusal Konferansı (TOK 2024), Konya, Turkey, 12 - 14 September 2024, pp.466-471

### IV. Haptic Teleoperation with Computed Torque Control Method

Urgan A., Daşdemir J.

Otomatik Kontrol Ulusal Toplantısı TOK 2023, İstanbul, Turkey, 14 - 16 September 2023, pp.27-32

### V. Trajectory Tracking Control of RRR Type Robot Manipulator with Computed Torque Control Method

Urgan A., Daşdemir J.

ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI, Bursa, Turkey, 24 - 26 November 2022, pp.1-5

### VI. Feedback Control of a Circulatory System Simulation Circuit during Exercise

Urgan A., Arısoy D. O., Kadıpaşaoğlu A. K.

TOK 2019 OTOMATİK KONTROL TÜRK MİLLİ KOMİTESİ ULUSAL TOPLANTISI, Muğla, Turkey, 11 - 14 September 2019, pp.85-90

## Supported Projects

ADIGÜZEL F., URGAN A., KURTULUŞ K., AKBATI O., GÜRKAN K., Project Supported by Higher Education Institutions, Sabit Mıknatıslı Motorların Değişken Hız Kontrolü için Periyodik Öğrenmeli Doğrusal Olmayan Kontrol Yönteminin Geliştirilmesi ve Uygulaması, 2024 - Continues

Kadıpaşaoğlu A. K., Türker T., Meşe E., TÜBİTAK Project, Development of a Mechanical Circulatory Support System, 2019

- 2024

## **Tasks In Event Organizations**

Urgan A., EECI Graduate School on Control- M07 "Specification, Design, and Verification for Self-Driving Cars" by Richard M. Murray and Nok Wongpiromsarn, Workshop Organization, İstanbul, Turkey, Mart 2020

## **Metrics**

Publication: 7