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International Researcher IDs

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Dissertations

Postgraduate, Development and application of flight control software based on STM32f4 microprocessor for quadrotor unmanned air vehicle, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2022

Research Areas

System Dynamics and Control

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Adaptive elliptic trajectory-based received signal strength indicator antenna tracking algorithm**
Taş A. İ., İscan M., Gurkan B., Yılmaz C.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.46, no.11, pp.2077-2086, 2024 (SCI-Expanded)
- II. **A novel elliptic trajectory formula for active RSSI-based antenna tracking algorithm**
İşcan M., Taş A. İ., Gürkan B., Yılmaz C.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.45, no.14, pp.2760-2770, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Sensor Fusion Design by Extended and Unscented Kalman Filter Approaches for Position and Attitude Estimation Pozisyon ve Yönelim Tahmini için, Genisletilmiş ve Kokusuz Kalman Filtresi Yaklaşımlarıyla Sensör Füzyonu Tasarımı**
Sahin H., GÜRKAN B., ÖMÜRLÜ V. E.

4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2022, Ankara, Turkey, 9 - 11 June 2022

II. Development of High Ratio Performance/Weight Mechatronic Systems by Using Regenerative Design Techniques

Güzel S. B., Yesir G., Kılınç B., Erzincanlı F. F., Gürkan B., Ömürlü V. E.

Uluslararası Katılımlı Mekatronik Öğrenci Konferansı, Mekon2021 , İstanbul, Turkey, 25 June 2021, pp.1-6

III. STM32F407VG microprocessor based flight controller design experimented on a quadrotor
ÖMÜRLÜ V. E., Gurkan B.

6th International Conference on Electrical and Electronics Engineering, ICEEE 2019, İstanbul, Turkey, 16 - 17 April 2019, pp.302-306

Metrics

Publication: 5

Citation (Scopus): 5

H-Index (Scopus): 2