

Assoc. Prof. Erdinç Altuğ

Personal Information

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Education Information

Doctorate, University Of Pennsylvania, United States Of America 1999 - 2003

Postgraduate, Carnegie Mellon University, Mechanical Engineering, United States Of America 1997 - 1999

Undergraduate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1992 - 1996

Foreign Languages

English

Dissertations

Doctorate, Vision Based Control of Unmanned Aerial Vehicles with Applications to an Autonomous Four Rotor Helicopter, Quadrotor, University Of Pennsylvania, 2003

Research Areas

Technical Sciences, Mechanical Engineering, Machine Theory and Dynamics, System Dynamics and Control, Mechanisms, Robotics, Mechatronics, Mechanical Vibrations, Aeronautical and Space Engineering, Aeronautical Engineering , Aircraft System Technologies, Flight Control Systems

Academic Titles / Tasks

Associate Professor, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, 2013 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, 2007 - 2013

Lecturer PhD, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, 2004 - 2007

Research Assistant, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 1996 - 1997

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Hardware-in-the-Loop Testing of Automatic Lift Dropping System for Heavy Trucks**
Acar O. U. , Guvenc L., Altuğ E.
JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.98, pp.693-703, 2020 (Journal Indexed in SCI)
- II. **ECU controlled intelligent lift axle dropping and lifting system for heavy trucks**
Keles T., Guvenc L., Altug E.

Articles Published in Other Journals

- I. **Design of an Automatic Item Pick-up System for Unmanned Aerial Vehicles**
Mumcuoğlu M. E., Yüksel I., ALTUĞ E.
Celal Bayar University Journal of Science, vol.16, no.1, pp.25-33, 2020 (Other Refereed National Journals)
- II. **Otonom Araçlarda Navigasyon İçin Düşük Maliyetli, Taşınabilir ve 360 Görüş Alanına Sahip Yeni Bir 3B LIDAR Sisteminin Geliştirilmesi**
KAĞIZMAN A., ALTUĞ E.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.3, pp.759-769, 2019 (Other Refereed National Journals)

Books & Book Chapters

- I. **Makine Mühendisliğine Giriş**
KURT HABİBOĞLU S., MISTIKOĞLU S., GEREN N., RENDE H., UZUN A., EKİCİ B., EFEOĞLU İ., ERSOY H., ERZİNCANLI F., GÜNERHAN H., et al.
Papatya Bilim Üniversite Yayıncılığı, İstanbul, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Design of a Quad-Jet VTOL UAS for Heavy-lift Applications**
TÜRKMEN A., ALTUĞ E.
2020 International Conference on Unmanned Aircraft Systems (ICUAS'20), 01 September 2020, pp.875-882

Supported Projects

- Altuğ E., Project Supported by Higher Education Institutions, Manufacturing and Flight Tests of a Quadrotor UAS with Tilttable Rotors, 2016 - 2018
- Altuğ E., Project Supported by Higher Education Institutions, Adaptive Control of a Tilt-Roll Rotor Quadrotor UAV, 2014 - 2018
- Altuğ E., Project Supported by Higher Education Institutions, Modeling and Control of a Novel Tilt-Roll Rotor Quadrotor UAV, 2013 - 2018
- Altuğ E., Project Supported by Higher Education Institutions, VISUAL ATTITUDE STABILIZATION OF A UNMANNED HELICOPTER IN UNKNOWN ENVIRONMENTS WITH AN EMBEDDED SINGLE BOARD COMPUTER, 2012 - 2018
- Altuğ E., Project Supported by Higher Education Institutions, Image Based and Hybrid Visual Servo Control of an Unmanned Aerial Vehicle, 2011 - 2018
- Altuğ E., Project Supported by Higher Education Institutions, A CATADIOPTRIC AND PAN TILT ZOOM CAMERA PAIR OBJECT TRACKING SYSTEM FOR UAVS, 2010 - 2018
- Altuğ E., Project Supported by Higher Education Institutions, DETERMINING THE MASS AND ANGULAR POSITION OF THE UNBALANCED IN HORIZONTAL WASHING MACHINES, 2009 - 2018
- Altuğ E., Project Supported by Higher Education Institutions, Kanat Çırparak Uçan Bir Mikro Hava Aracının Tasarımı ve Kontrolü, 2014 - 2015
- Altuğ E., Project Supported by Higher Education Institutions, Mikro Hava Araçlarının Bilinmeyen Ortamlarda Görüntü Temelli Kontrolü, 2010 - 2013

Activities in Scientific Journals

Journal of Intelligent & Robotic Systems , Editor, 2017 - Continues

Scientific Refereeing

International Journal of Micro Air Vehicles, SCI Journal, July 2017

Journal of Intelligent and Robotic Systems, SCI Journal, March 2017

International Journal of Control, Automation and Systems, SCI Journal, March 2017

Edit Congress and Symposium Activities

2017 International Conference on Mechatronics Systems and Control Engineering (ICMSCE 2017), Session Moderator, Kayseri, Turkey, 2017

Citations

Total Citations (WOS):596

h-index (WOS):10