

## Prof.Dr. OZAN TEKİNALP

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, University Of Michigan, Mechanical Engineering And Applied Mechanics Department, Amerika Birleşik Devletleri 1983 - 1988

Yüksek Lisans, University of Michigan, College of Engineering, Mechanical Engineering and Applied Mechanics, Amerika Birleşik Devletleri 1982 - 1983

Lisans, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Türkiye 1976 - 1981

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, Dynamic Modeling of Drill Bit Vibrations, University Of Michigan, Mechanical Engineering And Applied Mechanics Department, 1988

### Araştırma Alanları

Havacılık ve Uzay Mühendisliği, Havacılık Mühendisliği, Uzay Mühendisliği, Uçuş Bilimleri, Hava Taşıtı Sistem Teknolojileri, Görev, Uçuş Dinamiği-Kararlılık, Uçuş Kontrol Sistemleri, Uzay aracı dinamiği modelleme, Yönelim ve Yörünge Kontrol, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 1988 - Devam Ediyor

### Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2009 - 2018

### Yönetilen Tezler

TEKİNALP O., Doğal dinamik kullanılarak hale yörüngede ve dünya etrafında seyir eden uzay araçları için kol uçuşu tasarımı, Doktora, A.Kutlu(Öğrenci), 2020

Tekinalp O., Vibration based and miniaturizable satellite attitude actuator, Doktora, B.AKBULUT(Öğrenci), 2019

Tekinalp O., Design, development and control of a hybrid uav, Yüksek Lisans, A.MURATOĞLU(Öğrenci), 2019

Tekinalp O., Orbit determination strategy and verification for geosynchronous satellites, Yüksek Lisans, A.KÖKER(Öğrenci), 2019

TEKİNALP O., Smooth slew maneuvers of flexible spacecraft, Yüksek Lisans, S.ALTINIŞIK(Öğrenci), 2019

Tekinalp O., Modeling and control of quadrotor formations carrying aslung load, Doktora, S.OLUMIDE(Öğrenci), 2019

Tekinalp O., Control system design and implementation of a tilt rotor UAV, Yüksek Lisans, L.CEVHER(Öğrenci), 2019

TEKİNALP O., Hibrit hava aracının tasarımı, modellenmesi ve kontrolü., Yüksek Lisans, A.Muratoğlu(Öğrenci), 2019

TEKİNALP O., Polynomial trajectory shaping guidance algorithm for multi-missile salvo attack, Yüksek Lisans, N.BAŞAK(Öğrenci), 2018

TEKİNALP O., Autonomous spacecraft rendezvous and docking on safe trajectories, Yüksek Lisans, A.TEVFİK(Öğrenci), 2018

TEKİNALP O., Development of state dependent factorized optimal control methods with application to spacecraft Coulomb formations, Doktora, M.MEHDI(Öğrenci), 2017

Kurtuluş D. F. , Tekinalp O., Modelling and Controller Design of a VTOL Air Vehicle, Yüksek Lisans, A.Sami(Öğrenci), 2015

TEKİNALP O., Separation simulation for helicopter external stores and generation of safe separation envelopes, Yüksek Lisans, Ö.KAPULU(Öğrenci), 2015

TEKİNALP O., Nonlinear guidance and control of leader-follower UAV formations, Yüksek Lisans, S.KUMBASAR(Öğrenci), 2015

TEKİNALP O., Faux riccati equation techniques for feedback control of nonlinear and time-varying systems, Doktora, A.PRACH(Öğrenci), 2015

TEKİNALP O., Nonlinear control of unmanned aircraft formations, Yüksek Lisans, S.ARIYIBI(Öğrenci), 2014

TEKİNALP O., YAVRUCUK İ., Developing an investment decision methodology for helicopter systems related to technology factor and base price, Yüksek Lisans, G.KARA(Öğrenci), 2014

TEKİNALP O., Yüksek by-pass oranlı turbofan motorlarının aerotermodinamik tasarımı ve optimizasyonu., Yüksek Lisans, S.Arayibi(Öğrenci), 2014

TEKİNALP O., Response surface based performance analysis of an air-defense missile system, Yüksek Lisans, K.GÜNAYDIN(Öğrenci), 2014

TEKİNALP O., Attitude control of an earth orbiting solar sail satellite to progressively change the selected orbital element, Yüksek Lisans, Ö.ATAŞ(Öğrenci), 2014

TEKİNALP O., System identification using flight test data, Yüksek Lisans, O.ŞİMŞEK(Öğrenci), 2014

TEKİNALP O., Satellite attitude determination based on GPS carrier phase measurements, Yüksek Lisans, E.ÖZTEN(Öğrenci), 2013

TEKİNALP O., Evaluation of rotorcraft system identification approaches, Yüksek Lisans, S.KAYMAK(Öğrenci), 2013

TEKİNALP O., Conceptual design optimization of a nano-satellite launcher, Yüksek Lisans, Y.EMRE(Öğrenci), 2012

TEKİNALP O., Control of a satellite with flexible smart beam during slew maneuver, Yüksek Lisans, H.ÜREK(Öğrenci), 2011

TEKİNALP O., External geometry and flight performance optimization of turbojet propelled air to ground missiles, Yüksek Lisans, E.DEDE(Öğrenci), 2011

TEKİNALP O., YAVRUCUK İ., Development of a UAV testbed, Yüksek Lisans, Z.ÇAKIR(Öğrenci), 2011

TEKİNALP O., YAVRUCUK İ., Development of control allocation methods for satellite attitude control, Yüksek Lisans, T.ÇİĞDEM(Öğrenci), 2010

TEKİNALP O., Flight control system design for an over actuated UAV against actuator failures, Yüksek Lisans, S.İŞİK(Öğrenci), 2010

TEKİNALP O., Multiobjective design optimization of rockets and missiles, Yüksek Lisans, M.YAVUZ(Öğrenci), 2009

ÖZGÖREN M. K. , TEKİNALP O., Attitude control of multiple rigid body spacecraft with flexible hinge joints, Yüksek Lisans, B.AKBULUT(Öğrenci), 2009

TEKİNALP O., YAVRUCUK İ., Multidisciplinary and multiobjective design optimization of an unmanned combat aerial vehicle (UCAV), Yüksek Lisans, N.ÇAVUŞ(Öğrenci), 2009

TEKİNALP O., Flight control of a tilt duct UAV with emphasis on the over actuated transition flight phase, Yüksek Lisans, T.ÜNÜ(Öğrenci), 2009

TEKİNALP O., Flight simulation and control of a helicopter, Yüksek Lisans, G.HİLAL(Öğrenci), 2008

TEKİNALP O., Design of kalman filter based attitude determination algorithms for a leo satellite and for a satellite attitude control test setup, Yüksek Lisans, A.KUTLU(Öğrenci), 2008

TEKİNALP O., Control allocation against actuator failures in overactuated small satellites, Yüksek Lisans, Ö.KAHRAMAN(Öğrenci), 2007

TEKİNALP O., Steering of redundant robotic manipulators and spacecraft integrated power and attitude control-control moment gyroscopes, Yüksek Lisans, A.ALTAY(Öğrenci), 2006

TEKİNALP O., A layerwise approach to modeling piezolaminated plates, Doktora, C.LEVENT(Öğrenci), 2005

TEKİNALP O., Multi objective conceptual design optimization of an agricultural aerial robot, Yüksek Lisans, S.ÖZDEMİR(Öğrenci), 2005

TEKİNALP O., Tarımsal robot uçak kavramsal tasarımı eniyilemesi, Yüksek Lisans, S.Özdemir(Öğrenci), 2005

TEKİNALP O., Simulated annealing for the generation of pareto fronts with aerospace applications, Yüksek Lisans, G.KARSLI(Öğrenci), 2004

TEKİNALP O., Steering laws for control moment gyroscope systems used in spacecrafts attitude control, Yüksek Lisans, E.YAVUZOĞLU(Öğrenci), 2003

TEKİNALP O., Development of a flexible satellite simulator and associated control algorithms, Yüksek Lisans, K.TAYLAN(Öğrenci), 2002

TEKİNALP O., Guidance and control of a spinning missile, Yüksek Lisans, B.SEMERCİ(Öğrenci), 2001

TEKİNALP O., Missile trajectory optimization using genetic algorithm, Yüksek Lisans, M.SOYLUOĞLU(Öğrenci), 2001

TEKİNALP O., Optimization of north south station keeping manoeuvres for geostationary satellites, Yüksek Lisans, Z.YILDIZ(Öğrenci), 2001

TEKİNALP O., Modeling and control of a tilt-duct VTOL UAV, Yüksek Lisans, A.OKAN(Öğrenci), 2000

TEKİNALP O., Multi-disciplinary design optimization of missiles, Yüksek Lisans, M.BİNGÖL(Öğrenci), 2000

TEKİNALP O., Neural network initialization of strapdown inertial navigation systems, Yüksek Lisans, M.Özemre(Öğrenci), 2000

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TEKİNALP O., Multi-disciplinary design optimization of missiles, Yüksek Lisans, M.Bingöl(Öğrenci), 2000

TEKİNALP O., 3- Axis attitude control of a geostationary satellite, Yüksek Lisans, H.ÖZGÜR(Öğrenci), 1999

TULUNAY Y., TEKİNALP O., Modeling and simulation of the Türksat 1B Satellite using artificial neural networks, Yüksek Lisans, A.Türker(Öğrenci), 1999

TEKİNALP O., Missile design optimization using simulated annealing technique, Yüksek Lisans, S.Utalay(Öğrenci), 1999

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TEKİNALP O., Robust control of a highly maneuverable aircraft, Yüksek Lisans, M.ERGÜN(Öğrenci), 1998

TULUNAY Y., TEKİNALP O., Investigation of minimum fuel maneuvers of Türksat 1B satellite with possible use of its simulator, Yüksek Lisans, T.Erdal(Öğrenci), 1998

TEKİNALP O., Modelling and control of beam type structures with surface bonded piezoelectric sensors and actuators, Yüksek Lisans, B.YAĞCI(Öğrenci), 1998

TEKİNALP O., TULUNAY Y., Modeling and control of beam type structures with surface bonded piezoelectric sensors and actuators, Yüksek Lisans, B.Yağcı(Öğrenci), 1998

TEKİNALP O., TULUNAY Y., Orbit dynamics attitude dynamics and control:Investigation into possible applications to Türksat, Yüksek Lisans, H.Özge(Öğrenci), 1997

TEKİNALP O., Orbit dynamics, attitude dynamics and control: Investigation into possible applications to TURKSAT, Yüksek Lisans, H.ÖZGE(Öğrenci), 1997

TEKİNALP O., Optimal trajectories for air-to-surface missiles using direct collocation and nonlinear programming, Yüksek Lisans, E.MURAT(Öğrenci), 1996

TEKİNALP O., Optimal trajectories for air-tosurfaces missiles using direct collocation and nonlinear programming, Yüksek Lisans, E.Murat(Öğrenci), 1996

TEKİNALP O., Free vibration analysis of multi-layer adhesively bonded rotating beams, Yüksek Lisans, A.KADİR(Öğrenci), 1992

TEKİNALP O., Free vibration analysis of adhesively bonded multi-layer beams and lap-joints, Yüksek Lisans,

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Long term and safe relative orbit design for heterogeneous spacecraft clusters**  
Yaglioglu B., TEKİNALP O.  
Advances in Space Research, cilt.67, sa.11, ss.3546-3558, 2021 (SCI İndekslerine Giren Dergi)
- II. **Quaternion-based nonlinear attitude control of quadrotor formations carrying a slung load**  
Ariyibi S. O. , TEKİNALP O.  
AEROSPACE SCIENCE AND TECHNOLOGY, cilt.105, 2020 (SCI İndekslerine Giren Dergi)
- III. **Output-feedback control of linear time-varying and nonlinear systems using the forward propagating Riccati equation**  
Prach A., TEKİNALP O., Bernstein D. S.  
JOURNAL OF VIBRATION AND CONTROL, cilt.24, sa.7, ss.1239-1263, 2018 (SCI İndekslerine Giren Dergi)
- IV. **Solving Constrained Optimal Control Problems Using State-Dependent Factorization and Chebyshev Polynomials**  
Gomroki M. M. , Topputo F., Bernelli-Zazzera F., TEKİNALP O.  
JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, cilt.41, sa.3, ss.618-631, 2018 (SCI İndekslerine Giren Dergi)
- V. **Infinite-Horizon Linear-Quadratic Control by Forward Propagation of the Differential Riccati Equation**  
Prach A., TEKİNALP O., Bernstein D. S.  
IEEE CONTROL SYSTEMS MAGAZINE, cilt.35, sa.2, ss.78-93, 2015 (SCI İndekslerine Giren Dergi)
- VI. **A new multiobjective simulated annealing algorithm**  
Tekinalp O., Karsli G.  
JOURNAL OF GLOBAL OPTIMIZATION, cilt.39, sa.1, ss.49-77, 2007 (SCI İndekslerine Giren Dergi)
- VII. **A new steering law for redundant control moment gyroscope clusters**  
Tekinalp O., Yavuzoglu E.  
AEROSPACE SCIENCE AND TECHNOLOGY, cilt.9, sa.7, ss.626-634, 2005 (SCI İndekslerine Giren Dergi)
- VIII. **A layerwise approach to piezo-electric plates accounting for adhesive flexibility and delaminated regions**  
Erturk C., Tekinalp O.  
COMPUTERS & STRUCTURES, cilt.83, ss.279-296, 2005 (SCI İndekslerine Giren Dergi)
- IX. **Simulated annealing for missile optimization: Developing method and formulation techniques**  
Tekinalp O., Bingol M.  
JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, cilt.27, sa.4, ss.616-626, 2004 (SCI İndekslerine Giren Dergi)
- X. **Tilt duct vertical takeoff and landing uninhabited aerial vehicle concept design study**  
Armutcuoglu O., Kavsaoglu M., Tekinalp O.  
JOURNAL OF AIRCRAFT, cilt.41, sa.2, ss.215-223, 2004 (SCI İndekslerine Giren Dergi)
- XI. **Turkish Small Satellite Program: Goals and policies**  
Askar M., Tekinalp O.  
ACTA ASTRONAUTICA, cilt.46, ss.375-378, 2000 (SCI İndekslerine Giren Dergi)
- XII. **Free bending vibrations of adhesively bonded orthotropic plates with a single lap joint**  
Yuceoglu U., Toghi F., Tekinalp O.  
JOURNAL OF VIBRATION AND ACOUSTICS-TRANSACTIONS OF THE ASME, cilt.118, sa.1, ss.122-134, 1996 (SCI İndekslerine Giren Dergi)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Maneuver planning strategy for rapid response solar sail satellite concept**

POLAT H., TEKİNALP O.

AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2021, Virtual, Online, 11 - 15 Ocak 2021, ss.1-17

- II. **Oscillating Control Moment Gyroscope Mathematical Model Development, Verification and Results**  
AKBULUT B., ARBERKLİ F., AZGIN K., TEKİNALP O.  
International Symposium on Space Technology and Science, Fukui, Japonya, 15 - 21 Haziran 2019
- III. **A MISSION ANALYSIS SOFTWARE FOR SMALL SATELLITES**  
KOPRUCÜ S. U. , ÖZÇELİK S. A. , ALTUNAY Ş., YAĞLIOĞLU B., TEKİNALP O.  
10th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Türkiye, 18 - 20 Eylül 2019
- IV. **LATERAL-DIRECTIONAL CONTROL OF A HIGHLY MANEUVERABLE JET AIRCRAFT BASED ON COMBINATION OF MODAL AND OPTIMAL CONTROL THEORY**  
MESCE V., TEKİNALP O.  
10th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Türkiye, 18 - 20 Eylül 2019
- V. **INCORPORATING REAL LIFE DESIGN PROBLEMS INTO THE AEROSPACE CURRICULUM**  
TEKİNALP O.  
10TH ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Türkiye, 18 - 20 Eylül 2019
- VI. **SCATTER AND SENSITIVITY ANALYSIS OF A PROJECTILE MODELED UNDER MAGNUS EFFECT**  
MUHİDDİNOĞLU A., YAYLA K., TEKİNALP O.  
10th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Türkiye, 18 - 20 Eylül 2019
- VII. **Long Term and Safe Relative Orbit Design for Heterogenously Distributed Spacecraft Clusters**  
YAĞLIOĞLU B., TEKİNALP O.  
International Workshop on Satellite Constellations and Formation Flying, Glasgow, İngiltere, 16 - 19 Temmuz 2019
- VIII. **Slew Maneuver Control of Flexible Spacecraft**  
ALTINIŞIK S., TEKİNALP O.  
8TH EUROPEAN CONFERENCE FOR AERONAUTICS AND SPACE SCIENCES (EUCASS), Madrid, İspanya, 1 - 04 Temmuz 2019
- IX. **Passively Safe Relative Orbit Configurations over LongTime Intervals for Heterogeneously Distributed SpacecraftClusters**  
YAĞLIOĞLU B., TEKİNALP O.  
8TH EUROPEAN CONFERENCE FOR AERONAUTICS AND SPACE SCIENCES (EUCASS), Madrid, İspanya, 1 - 04 Temmuz 2019
- X. **Control of a Quadrotor Formation Carrying a Slung Load Using Flexible Bars**  
TEKİNALP O., ARIYIBI S.  
AIAA Aviation 2019 Forum, Dallas, Texas, Amerika Birleşik Devletleri, 17 - 21 Haziran 2019
- XI. **Safe Spacecraft Rendezvous Using Dual Quaternions on Time-Dependent Trajectories Generated by Model Predictive Control**  
TEKİNALP O., BÜYÜKKOÇAK A. T.  
AIAA Scitech 2019 Forum, San Diego, California, Amerika Birleşik Devletleri, 7 - 11 Ocak 2019
- XII. **Oscillating Control Moment Gyroscope Experimental Results**  
AKBULUT B., ARBERKLİ F., AZGIN K., TEKİNALP O.  
AIAA Scitech 2019 Forum, San Diego, California, Amerika Birleşik Devletleri, 7 - 11 Ocak 2019
- XIII. **SAFE SPACECRAFT RENDEZVOUS WITH CONSTRAINED MODEL PREDICTIVE CONTROL**  
BÜYÜKKOÇAK A. T. , TEKİNALP O.  
AAS/AIAA Astrodynamics Specialist Conference, Utah, Amerika Birleşik Devletleri, 19 - 23 Ağustos 2018, cilt.167, ss.883-895
- XIV. **Solar Sail Application with a Proposed Low Earth Orbit Mission Concept**  
Polat H. C. , TEKİNALP O.  
9th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 11 - 14 Haziran 2019, ss.285-291
- XV. **TRACKING CONTROL OF SPACECRAFT ATTITUDE AND POSITION ON TIME DEPENDENT TRAJECTORIES USING DUAL QUATERNIONS**

BÜYÜKKOÇAK A. T. , TEKİNALP O.

AAS/AIAA Astrodynamics Specialist Conference, Utah, Amerika Birleşik Devletleri, 19 - 23 Ağustos 2018, cilt.167, ss.1411-1422

- XVI. **A Multi-National Multi-Institutional Educaiton Framework: APSCO SSS-2B CubeSat Project**  
Yaglioglu B., Atas O., Kahraman D., Kose S., TEKİNALP O., Suer M.  
9th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 11 - 14 Haziran 2019, ss.553-557
- XVII. **Formation Flight Design near Sun-Earth Collinear Libration Points under the Effect of Disturbances**  
Kutlu A., TEKİNALP O.  
9th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 11 - 14 Haziran 2019, ss.137-144
- XVIII. **Safe Spacecraft Rendezvous with Constraint Model Predictive Control**  
TEKİNALP O., BÜYÜKKOÇAK A. T.  
AIAA/ American Astronautical Society Astrodynamics Specialst Conference, Snowbird, Utah, Amerika Birleşik Devletleri, 19 - 23 Ağustos 2018
- XIX. **Orbit Estimation Strategy for Low Earth Orbit and Geostationary Satellites**  
TEKİNALP O., KÖKER A.  
AIAA/American Astronautical Society, 2018 Astrodynamics Specialst Conference, Snowbird, Utah, Amerika Birleşik Devletleri, 19 - 23 Ağustos 2018
- XX. **A Hypothetical Mechanical Design for Vibrating Mass Control Moment Gyroscopes**  
BURAK A., ARBERKLİ F., TEKİNALP O., AZGIN K.  
2018 Space Flight Mechanics Meeting, Kissimmee, Florida, Amerika Birleşik Devletleri, 8 - 12 Ocak 2018
- XXI. **Modeling and Control of Quadrotor Formations Carrying a Slung Load**  
ARIYIBI S., TEKİNALP O.  
2018 AIAA Information Systems-AIAA Infotech @ Aerospace, Kissimmee, Florida, Amerika Birleşik Devletleri, 8 - 12 Ocak 2018
- XXII. **Nonlinear optimal adaptive transition control of a tolt-prop VTOL UAV**  
Senipek M., YAYLA M., Gungor O., Cevher L., KUTAY A. T. , TEKİNALP O.  
44th European Rotorcraft Forum 2018, ERF 2018, Delft, Hollanda, 18 - 21 Eylül 2018, cilt.2, ss.952-964
- XXIII. **Angle Only Orbit Determination Using a Telescope System**  
KÖKER A., TEKİNALP O.  
9th Ankara International Aerospace Conference, 20 - 22 Eylül 2017
- XXIV. **Constrained Model Predictive Control for Spacecraft Rendezvous**  
BÜYÜKKOÇAK A. T. , ALTINIŞIK S., TEKİNALP O.  
9th Ankara International Aerospace Conference, 20 - 22 Eylül 2017
- XXV. **Experimental Characterization and Validation of Vibrating Rotor Control Moment Gyroscope**  
AKBULUT B., ARBERKLİ F., AZGIN K., TEKİNALP O.  
AIAA SPACE and Astronautics Forum and Exposition, Orlando, FL, Amerika Birleşik Devletleri, 12 - 14 Eylül 2017
- XXVI. **Effects of Rotor Geometry on the Performance of Vibrating Mass Control Moment Gyroscopes**  
ARBERKLİ F., AKBULUT B., AZGIN K., TEKİNALP O.  
AAS/AIAA Astrodynamics Specialist Conference, Columbia River George, Stevenson, WA, Amerika Birleşik Devletleri, 20 - 24 Ağustos 2017
- XXVII. **Experimental Investigation of Optimal Gap Distance between Rotors of a Quadrotor UAV**  
KAYA D. D. , KUTAY A. T. , TEKİNALP O.  
AIAA Aviation Forum 2017, Atmospheric Flight Mechanics Conference, 5 - 09 Haziran 2017
- XXVIII. **A SIMPLIFIED MODEL FOR VIBRATING MASS CONTROL MOMENT GYROSCOPE**  
Akbulut B., Arberkli F., AZGIN K., TEKİNALP O.  
27th AAS/AIAA Space Flight Mechanics Meeting, San-Antonio, Kuzey Mariana Adaları, 5 - 09 Şubat 2017, cilt.160, ss.2961-2974
- XXIX. **ORBIT TRANSFER OF AN EARTH ORBITING SOLAR SAIL CUBESAT**  
Atas O., TEKİNALP O.

27th AAS/AIAA Space Flight Mechanics Meeting, San-Antonio, Kuzey Mariana Adaları, 5 - 09 Şubat 2017, cilt.160, ss.2201-2212

- XXX. **Main Rotor Downwash Effect on Separation Characteristics of External Stores**  
Kapulu Ö., TEKİNALP O.  
AIAA SciTech 2017, Atmospheric Flight Mechanics Conference, 9 - 13 Ocak 2017
- XXXI. **A Novel Flight Control Algorithm for Multicopters**  
TEKİNALP O., Kumbasar S.  
30th Congress of International Council of Aeronautical Sciences, 26 - 29 Eylül 2016
- XXXII. **Tracking Control of Spacecraft Attitude on Time Dependent Trajectories**  
TEKİNALP O., TEKİNALP A.  
Space 2016, AIAA/AAS Astrodynamics Specialist Conference, Long Beach, CA, Amerika Birleşik Devletleri, 13 - 16 Eylül 2016
- XXXIII. **Vibrating Mass Control Moment Gyroscope Dynamic Model Validation**  
AKBULUT B., ARBERKLİ F., AZGIN K., TEKİNALP O.  
AIAA/AAS Astrodynamics Specialist Conference, Long Beach, California, Amerika Birleşik Devletleri, 13 - 16 Eylül 2016
- XXXIV. **Propulsion System Selection and Modeling for a Quadrotor with Search and Rescue Mission**  
KAYA D., KUTAY A. T. , KURTULUŞ D. F. , TEKİNALP O., ŞİMŞEK İ., SOYSAL S., HOSGİT G.  
54th AIAA Aerospace Sciences Meeting, San Diego, Amerika Birleşik Devletleri, 4 - 08 Ocak 2016
- XXXV. **Comparison of Time and Frequency Domain Identification of Fixed Wing UAV**  
ŞİMŞEK O., AS H., ORHAN E., TEKİNALP O.  
AIAA, SCITECH 2016, SAN DIEGO, CA, Amerika Birleşik Devletleri, 4 - 08 Ocak 2016
- XXXVI. **Nonlinear Aircraft Flight Control Using Forward Propagating Riccati Equation**  
PRACH A., TEKİNALP O., BERNSTEIN D.  
AIAA SCITECH 2016, SAN DIEGO, CA, Amerika Birleşik Devletleri, 4 - 08 Ocak 2016
- XXXVII. **Design and control of a micro UAV**  
Kaya D., Büyükköçak A. T. , KUTAY A. T. , TEKİNALP O.  
AIAA Atmospheric Flight Mechanics Conference, 2016, California, Amerika Birleşik Devletleri, 4 - 08 Ocak 2016
- XXXVIII. **NONLINEAR TRACKING ATTITUDE CONTROL OF SPACECRAFT ON TIME DEPENDENT TRAJECTORIES**  
TEKİNALP O., Gomroki M. M. , Atas O.  
AAS/AIAA Astrodynamics Specialist Conference, Colorado, Amerika Birleşik Devletleri, 11 - 13 Ağustos 2015, cilt.156, ss.1585-1597
- XXXIX. **SOLAR SAIL SPACECRAFT BOOM VIBRATION DURING DEPLOYMENT AND DAMPING MECHANISMS**  
Atas O., Demiral E., TEKİNALP O.  
AAS/AIAA Astrodynamics Specialist Conference, Colorado, Amerika Birleşik Devletleri, 11 - 13 Ağustos 2015, cilt.156, ss.2189-2202
- XL. **Solar Sail Spacecraft Boom Vibration During Deployment and Damping Analysis**  
TEKİNALP O., DEMİREL E., ATAŞ Ö.  
AAS/AIAA ASTRODYNAMICS SPECIALIST CONFERENCE, Vail, Colorado, Amerika Birleşik Devletleri, 9 - 13 Ağustos 2015
- XLI. **Nonlinear Tracking Attitude Control on Time Dependent Trajectories**  
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