

Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: W-4920-2018

ScopusID: 10642297500

Yoksis Araştırmacı ID: 164682



Eğitim Bilgileri

Doktora, Georgia Institute of Technology, Aerospace Engineering, Amerika Birleşik Devletleri 2000 - 2005

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Neural Network Based Adaptive Output Feedback Control: Applications and Improvements, Georgia Institute Of Technology, Aerospace Engineering, 2005

Yüksek Lisans, Modeling and simulation of the TÜRKSAT 1B satellite using artificial neural networks, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 1999

Araştırma Alanları

Uçuş Dinamiği-Kararlılık, Performans , Uçuş Kontrol Sistemleri

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2018 - Devam Ediyor

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2010 - 2018

Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2012 - 2015

Verdiği Dersler

ROBUST CONTROL IN AEROSPACE SYSTEMS, Yüksek Lisans, 2022 - 2023
AUTOMATIC CONTROL SYSTEMS II, Lisans, 2022 - 2023
INTRODUCTION TO AIRCRAFT PERFORMANCE, Lisans, 2017 - 2018
SYSTEMS DYNAMICS, Lisans, 2018 - 2019

Yönetilen Tezler

KUTAY A. T., Kill analysis tool for missiles equipped with proximity fuzes, Yüksek Lisans, E.ÖZTÜRK(Öğrenci), 2021
KUTAY A. T., Full Envelope Nonlinear Controller Design for a Novel Electric VTOL(eVTOL) Air-taxi via INDI Approach Combined with CA, Doktora, E.CAN(Öğrenci), 2021
KUTAY A. T., ESTIMATION OF AERODYNAMIC LOADS OF A PROPELLER THROUGH IMPROVED BLADE ELEMENT AND MOMENTUM THEORY AND PROPELLER DESIGN OPTIMIZATION, Doktora, D.DERYA(Öğrenci), 2021
Kutay A. T., Noise minimal & green trajectory and flight profile optimization for helicopters, Doktora, A.YÜCEKAYALI(Öğrenci), 2020
Kutay A. T., Experimental design and statistical modeling for efficient wind tunnel testing, Yüksek Lisans, Ö.SAVAŞ(Öğrenci), 2019
Kutay A. T., Multidisciplinary design, optimization and performance analysis tool for ballistic missiles, Yüksek Lisans, M.AYŞE(Öğrenci), 2019
Kutay A. T., Time and state dependent parameterized model reference adaptive control, Yüksek Lisans, Z.OKUMUŞ(Öğrenci), 2019
Kutay A. T., Physical subspace identification for helicopters, Doktora, S.AVCIOĞLU(Öğrenci), 2019
Kutay A. T., MISSILE SYSTEM DESIGN AND OPTIMIZATION INTEGRATED WITH SYSTEM ENGINEERING METHODOLOGIES, Yüksek Lisans, D.BAHÇECİ(Öğrenci), 2019
KUTAY A. T., A method for estimating target velocity and range with passive seeker data, Yüksek Lisans, B.CAN(Öğrenci), 2018
KUTAY A. T., System identification and control of a fixed wing aircraft by using flight data obtained from X-plane flight simulator, Yüksek Lisans, E.ÇETİN(Öğrenci), 2018
KUTAY A. T., An algorithmic fault-tolerant control architecture without actuator redundancy, Doktora, A.MARANGOZ(Öğrenci), 2018
KUTAY A. T., Drone supported pre-scan optimal active suspension for 8x8 vehicle, Yüksek Lisans, A.SANCAR(Öğrenci), 2018
KUTAY A. T., An active rocket launcher design for an attack helicopter, Yüksek Lisans, T.BARAN(Öğrenci), 2018
KUTAY A. T., A robust altitude control approach for sea skimming missiles, Yüksek Lisans, Ö.DÜLGAR(Öğrenci), 2018
KUTAY A. T., A model based approach for aircraft sensor fault detection, Yüksek Lisans, Ö.SERÇEKMAN(Öğrenci), 2018
KUTAY A. T., Reinforcement learning control for autorotation of a simple point-mass helicopter model, Yüksek Lisans, K.KOPŞA(Öğrenci), 2018
KUTAY A. T., Mathematical modeling of a small-scale helicopter and MRAC design with time based uncertainty parametrizations, Yüksek Lisans, M.GÜRLER(Öğrenci), 2018
KUTAY A. T., Trajectory optimization of a tactical missile by using genetic algorithm, Yüksek Lisans, B.DİLAN(Öğrenci), 2018
KUTAY A. T., Terrain referenced navigation of an aircraft using particle filter, Yüksek Lisans, B.TURAN(Öğrenci), 2017
KUTAY A. T., Development of an object-oriented design, analysis and simulation software for a generic air vehicle, Yüksek Lisans, M.ŞENİPEK(Öğrenci), 2017
KUTAY A. T., Aerodynamic parameter estimation of a supersonic missile with rapid speed variation by using kalman filtering, Yüksek Lisans, T.BAYOĞLU(Öğrenci), 2016
KUTAY A. T., Adaptive roll control of guided munitions, Yüksek Lisans, N.TUĞÇE(Öğrenci), 2016
KUTAY A. T., Abrupt fault detection and accommodation for air data systems, Yüksek Lisans, S.KARAHAN(Öğrenci), 2016
KUTAY A. T., Vision-aided landing for fixed wing unmanned aerial vehicle, Yüksek Lisans, E.ESİN(Öğrenci), 2016

KUTAY A. T., Neural extended kalman filter based angle-only target tracking for cruise missiles, Yüksek Lisans, G.EŞSİZ(Öğrenci), 2016

KUTAY A. T., An Integration Method over a Moving Window for Exponential Convergence in Adaptive Control without Persistency of Excitation, Yüksek Lisans, M.YAYLA(Öğrenci), 2016

KUTAY A. T., Design and control of nose actuation kit for position correction of spin stabilized munitions under wind effect, Yüksek Lisans, M.EROĞLU(Öğrenci), 2016

KUTAY A. T., Interfacing simulink/matlab with V-REP for analysis and control synthesis of a quadrotor, Yüksek Lisans, J.KHALILOV(Öğrenci), 2016

KUTAY A. T., Comparison of concurrent learning and derivative-free model reference adaptive control against parameter variation, Yüksek Lisans, S.BURAK(Öğrenci), 2016

KUTAY A. T., Uçuş veri sistemleri için ani arıza bulgulama ve ikame., Yüksek Lisans, S.Karahan(Öğrenci), 2016

KUTAY A. T., Doğrusal olmayan füze angajman senaryolarının beş serbestlik dereceli altı serbestlik dereceli ve aktımlı modeller kullanılarak tekli ve çoklu analizleri., Yüksek Lisans, E.Sezer(Öğrenci), 2015

KUTAY A. T., A comparison of model following control systems for helicopter flight control near hover, Yüksek Lisans, I.DOĞA(Öğrenci), 2015

KUTAY A. T., Stochastic and deterministic analysis of nonlinear of nonlinear missile engagement scenarios using 5-dof 6-dof and adjoint model, Yüksek Lisans, E.SEZER(Öğrenci), 2015

KUTAY A. T., Range to-go estimation for a tactical missile with a passive seeker, Yüksek Lisans, S.KALE(Öğrenci), 2015

KUTAY A. T., Lyapunov based nonlinear impact angle guidance law for stationary targets, Yüksek Lisans, H.ULAŞ(Öğrenci), 2015

KUTAY A. T., Fourier series based model reference adaptive control, Yüksek Lisans, R.BERK(Öğrenci), 2014

KUTAY A. T., Adaptive robust attitude controller design for a quadrotor platform, Yüksek Lisans, E.YILMAZ(Öğrenci), 2014

KUTAY A. T., Tam tahrikli katı bir cismin geometrik takip kontrolü ve dört rotorlu IHA nın açıl konum kontrolü için uygulanması., Yüksek Lisans, V.Bashiri(Öğrenci), 2014

KUTAY A. T., Geometric tracking control of a fully actuated rigid body and application to attitude control of a quadrotor UAV, Yüksek Lisans, V.BASHIRI(Öğrenci), 2014

KUTAY A. T., Modeling and experimental identification of quadrotor aerodynamics, Yüksek Lisans, D.DERYA(Öğrenci), 2014

KUTAY A. T., Missile guidance with impact angle constraint, Yüksek Lisans, B.ÇİLEK(Öğrenci), 2014

KUTAY A. T., Trajectory tracking of a quadrotor unmanned aerial vehicle (UAV) via attitude and position control, Yüksek Lisans, E.CAN(Öğrenci), 2014

KUTAY A. T., Aerodynamic parameter estimation of a missile, Yüksek Lisans, A.AKSU(Öğrenci), 2013

UZOL O., KUTAY A. T., Bir helikopter turboşaft motorunun yüksek doğruluklu aerothermal modellemesi ve girişteki akış düzensizliklerinin ve motor yıpranması durumlarının simülasyonu., Yüksek Lisans, Y.Novikov(Öğrenci), 2012

KUTAY A. T., UZOL O., Development of a high-fidelity transient aerothermal model for a helicopter turboshaft engine for inlet distortion and engine deterioration simulations, Yüksek Lisans, Y.NOVIKOV(Öğrenci), 2012

KUTAY A. T., Aerodynamic parameter estimation of a missile in closed loop control and validation with flight data, Yüksek Lisans, G.AYDIN(Öğrenci), 2012

KUTAY A. T., Development of a comprehensive and modular modelling, analysis and simulation tool for helicopters, Yüksek Lisans, A.YÜCEKAYALI(Öğrenci), 2011

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Full envelope nonlinear flight controller design for a novel electric VTOL (eVTOL) air taxi**
Suiçmez E., Kutay A. T.
AERONAUTICAL JOURNAL, cilt.1, ss.1-28, 2023 (SCI-Expanded)
- II. **Optimization of reward shaping function based on genetic algorithm applied to a cross validated deep deterministic policy gradient in a powered landing guidance problem**
Nugroho L., Andiarti R., Akmeliawati R., KUTAY A. T., Larasati D. K., Wijaya S. K.

- Engineering Applications of Artificial Intelligence, cilt.120, 2023 (SCI-Expanded)
- III. **Single channel digital controller design for a high spinning rate rolling airframe missile**
Suicmez E. C., KUTAY A. T.
AERONAUTICAL JOURNAL, cilt.126, sa.1305, ss.1815-1833, 2022 (SCI-Expanded)
- IV. **Identification of Physical Helicopter Models Using Subspace Identification**
Avcioglu S., KUTAY A. T., Leblebicioglu K.
JOURNAL OF THE AMERICAN HELICOPTER SOCIETY, cilt.65, sa.2, 2020 (SCI-Expanded)
- V. **Command governor-based adaptive control for dynamical systems with matched and unmatched uncertainties**
YAYLA M., Arabi E., KUTAY A. T., Yucelen T.
INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, cilt.32, sa.8, ss.1124-1144, 2018 (SCI-Expanded)
- VI. **Simulation of Rapidly Maneuvering Airfoils with Synthetic Jet Actuators**
Jee S., Lopez Mejia O. D., Moser R. D., Muse J. A., KUTAY A. T., Calise A. J.
AIAA JOURNAL, cilt.51, sa.8, ss.1883-1897, 2013 (SCI-Expanded)
- VII. **Experimental results on adaptive output feedback control using a laboratory model helicopter**
Kutay A. T., Calise A., Idan M., Hovakimyan N.
IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY, cilt.13, sa.2, ss.196-202, 2005 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Hibrit hedef kestirim algoritması tasarımı**
Kale S., KUTAY A. T.
Havacılık ve Uzay Teknolojileri Dergisi, cilt.7, sa.2, ss.103-110, 2014 (Hakemli Dergi)
- II. **Dört rotorlu bir insansız hava aracının geri adımlama yöntemi ile yol takibi kontrolü**
Emrecaan S., KUTAY A. T.
Havacılık ve Uzay Teknolojileri Dergisi, cilt.7, sa.2, ss.1-13, 2014 (Hakemli Dergi)
- III. **Flow simulation of a controlled airfoil with synthetic jet actuators**
Jee S. K., Lopez O., Moser R. D., Kutay A. T., Muse J. A., Calise A. J.
19th AIAA Computational Fluid Dynamics Conference, 2009 (Scopus)
- IV. **Vortex model based adaptive flight control using synthetic jets**
Muse J. A., Tchieu A. A., Kutay A. T., Chandramohan R., Calise A. J., Leonard A.
AIAA Guidance, Navigation, and Control Conference and Exhibit, 2009 (Scopus)
- V. **A novel force control traverse for simulating UAV flight in a wind tunnel**
Muse J. A., Kutay A. T., Calise A. J.
AIAA Atmospheric Flight Mechanics Conference and Exhibit, 2008 (Scopus)
- VI. **Experimental trapped vorticity flight control using an augmenting error minimization adaptive law**
Muse J. A., Kutay A. T., Calise A. J.
AIAA Guidance, Navigation and Control Conference and Exhibit, 2008 (Scopus)

Kitap & Kitap Bölümleri

- I. **Adaptive Neural Network Based Approach for Active Flow Control**
Idan M., Calise A. J., KUTAY A. T., David E P.
Manipulation and Control of Jets in Crossflow, Karagozian Ann R., Cortelezzi Luca, Soldati Alfredo, Editör, Springer-Verlag Wien, Viyana, ss.287-297, 2003

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Experimental Study on Active Vibration Control of a Piezo-Beam Structure with Finite Series Based Adaptive Controller**
Gezer R. B., Alan A. B., Kutay A. T., ŞAHİN M.
AIAA SciTech Forum and Exposition, 2024, Florida, Amerika Birleşik Devletleri, 8 - 12 Ocak 2024
- II. **Quadcopter Guidance Law Design using Deep Reinforcement Learning**
Aydinli S. U., KUTAY A. T.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Türkiye, 7 - 09 Haziran 2023
- III. **Comparison of Deep Reinforcement Learning-Based Guidance Strategies under Non-Ideal Conditions**
Aydinli S. U., KUTAY A. T.
9th International Conference on Control, Decision and Information Technologies, CoDIT 2023, Rome, İtalya, 3 - 06 Temmuz 2023, ss.1524-1529
- IV. **A Modification to Adaptive Control with Time-varying Learning Rate for Improved Transient Performance**
YAYLA M., KUTAY A. T.
AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, California, Amerika Birleşik Devletleri, 3 - 07 Ocak 2022
- V. **Energy-based adaptive flight controller for improved coordinated longitudinal control**
YAYLA M., KUTAY A. T., Kutlu A.
AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2021, Virtual, Online, 11 - 15 Ocak 2021, ss.1-18
- VI. **An adaptive flight controller design for a tilt-prop fixed wing uav for all flight modes**
YAYLA M., KUTAY A. T., Senipek M., Gungor O.
AIAA Scitech Forum, 2020, Florida, Amerika Birleşik Devletleri, 6 - 10 Ocak 2020, ss.1-20
- VII. **Single hidden layer neural network based model reference adaptive controller for estimation of periodic disturbances**
Gezer R. B., KUTAY A. T.
AIAA Scitech Forum, 2019, California, Amerika Birleşik Devletleri, 7 - 11 Ocak 2019
- VIII. **Multidisciplinary optimization and performance analysis tool for ballistic missiles**
Adsız M. A., KUTAY A. T.
AIAA Scitech Forum, 2019, California, Amerika Birleşik Devletleri, 7 - 11 Ocak 2019
- IX. **Implementation of physical subspace identification on a realistic helicopter**
Avcıoğlu S., KUTAY A. T., Leblebicioğlu K.
AIAA Scitech Forum, 2019, California, Amerika Birleşik Devletleri, 7 - 11 Ocak 2019
- X. **Helicopter parameters estimation from subspace identification by constrained nonlinear optimization**
Avcıoğlu S., KUTAY A. T., LEBLEBİCİOĞLU M. K., Özkazanç Y., YAVRUCUK İ.
45th European Rotorcraft Forum 2019, ERF 2019, Warszawa, Polonya, 17 - 20 Eylül 2019, cilt.2, ss.1001-1012
- XI. **A Model Based Approach for Sensor Fault Detection in Civil Aircraft Control Surface**
Sercekman O., KUTAY A. T.
IEEE/ION Position, Location and Navigation Symposium (PLANS), Monterrey, Meksika, 23 - 26 Nisan 2018, ss.715-729
- XII. **Experimental design and statistical modeling methodology for wind tunnel aerodynamics of an agile missile to improve the simulation accuracy and performance**
Savas O., Topbas E., Unal K., Karaca H. D., KUTAY A. T.
AIAA Modeling and Simulation Technologies Conference, 2018, Florida, Amerika Birleşik Devletleri, 8 - 12 Ocak 2018
- XIII. **Nonlinear optimal adaptive transition control of a tilt-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
- XIV. **Reinforcement learning control for helicopter landing in autorotation**

- Kopsa K., KUTAY A. T.
44th European Rotorcraft Forum 2018, ERF 2018, Delft, Hollanda, 18 - 21 Eylül 2018, cilt.2, ss.917-924
- XV. **ON ROBUSTNESS OF CONCURRENT LEARNING ADAPTIVE CONTROL TO TIME-VARYING DISTURBANCES AND SYSTEM UNCERTAINTIES**
Sarsilmaz S. B., KUTAY A. T., Yucelen T.
ASME International Mechanical Engineering Congress and Exposition, Tama, Japonya, 3 - 09 Kasım 2017
- XVI. **A Control System Architecture for Control of Non-Affine in Control, Open-Loop Unstable Underactuated Systems**
Marangoz A., KUTAY A. T.
8th International Conference on Mechanical and Aerospace Engineering (ICMAE), Prague, Çek Cumhuriyeti, 22 - 25 Temmuz 2017, ss.780-785
- XVII. **Attitude and Altitude Tracking of Hexacopter via LQR with Integral Action**
Suicmez E. C., KUTAY A. T.
International Conference on Unmanned Aircraft Systems (ICUAS), Florida, Amerika Birleşik Devletleri, 13 - 16 Haziran 2017, ss.150-159
- XVIII. **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
- XIX. **Estimation of Target Velocity under Scarce Range Information for IR Guided Missiles**
Babaoglu B. C., KUTAY A. T.
IEEE Aerospace Conference, Montana, Amerika Birleşik Devletleri, 4 - 11 Mart 2017
- XX. **Adaptive roll control of guided munitions with state independent uncertainty parameterization**
Ovec N. T., KUTAY A. T.
AIAA Guidance, Navigation, and Control Conference, 2017, Texas, Amerika Birleşik Devletleri, 9 - 13 Ocak 2017
- XXI. **Adaptive model predictive control of uncertain systems with input constraints**
YAYLA M., KUTAY A. T.
AIAA Guidance, Navigation, and Control Conference, 2017, Texas, Amerika Birleşik Devletleri, 9 - 13 Ocak 2017
- XXII. **Adaptive Control Algorithm for Linear Systems with Matched and Unmatched Uncertainties**
YAYLA M., KUTAY A. T.
55th IEEE Conference on Decision and Control (CDC), Nevada, Amerika Birleşik Devletleri, 12 - 14 Aralık 2016, ss.2975-2980
- XXIII. **Guaranteed Exponential Convergence without Persistent Excitation in Adaptive Control**
YAYLA M., KUTAY A. T.
11th UKACC International Conference on Control (UKACC Control), Belfast, Birleşik Krallık, 31 Ağustos - 02 Eylül 2016
- XXIV. **Automatic Landing Flare Control Design by Model-Following Control and Flight Test on X-Plane Flight Simulator**
Cetin E., KUTAY A. T.
7th International Conference on Mechanical and Aerospace Engineering (ICMAE), London, Kanada, 18 - 20 Temmuz 2016, ss.416-420
- XXV. **Particle Filter Studies on Terrain Referenced Navigation**
Turan B., KUTAY A. T.
IEEE/ION Position, Location and Navigation Symposium (PLANS), Savannakhet, Laos, 11 - 14 Nisan 2016, ss.949-954
- XXVI. **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
- XXVII. **Design and control of a micro UAV**
Kaya D., Büyükkoçak A. T., KUTAY A. T., TEKİNALP O.
AIAA Atmospheric Flight Mechanics Conference, 2016, California, Amerika Birleşik Devletleri, 4 - 08 Ocak 2016
- XXVIII. **Aerodynamic parameter estimation of a supersonic air to air missile with rapid speed variation**

- Bayoglu T., Nalci M. O., KUTAY A. T.
AIAA Atmospheric Flight Mechanics Conference, 2016, California, Amerika Birleşik Devletleri, 4 - 08 Ocak 2016
- XXIX. **An analysis of stochastic disturbances on nonlinear missile-target engagements based on the adjoint method**
Sezer E., Nalci M. O., KUTAY A. T.
AIAA Modeling and Simulation Technologies Conference, 2016, California, Amerika Birleşik Devletleri, 4 - 08 Ocak 2016
- XXX. **Extended kalman filter based robust altitude controller for sea skimming missiles**
Dülger Ö., Gezer R. B., KUTAY A. T.
AIAA Guidance, Navigation, and Control Conference, 2016, California, Amerika Birleşik Devletleri, 4 - 08 Ocak 2016
- XXXI. **Capturability of Combined Augmented Proportional Navigation against a Pull-Up Maneuvering Target**
Nugroho L., KUTAY A. T.
IEEE International Conference on Aerospace Electronics and Remote Sensing Technology (ICARES), Balvi, Letonya, 3 - 05 Aralık 2015
- XXXII. **Uncertainty Parametrization on Inverted Pendulum with Model Reference Adaptive Control**
SARSILMAZ S. B., YAYLA M., KUTAY A. T.
Ankara International Aerospace Conference (AIAC), 10 - 12 Eylül 2015
- XXXIII. **Modeling and Simulation of a Quadrotor using Curve Fitting Method**
KAYA D. D., KUTAY A. T.
AIAA Atmospheric Flight Mechanics Conference, Dallas, TX, Amerika Birleşik Devletleri, 22 - 26 Haziran 2015
- XXXIV. **Calibration of Five Hole Probe with Redundant Coefficients**
Karahan S., KUTAY A. T.
31st AIAA Aerodynamic Measurement Technology and Ground Testing Conference, Dallas, TX, Amerika Birleşik Devletleri, 22 - 26 Haziran 2015
- XXXV. **A Comparative Study of a Pseudo Five Degree of Freedom and an Adjoint Model Against a Six Degree of Freedom Model for Fidelity Assessment**
Sezer E., Nalci M. O., KUTAY A. T.
AIAA Modeling and Simulation Technologies Conference, Dallas, TX, Amerika Birleşik Devletleri, 22 - 26 Haziran 2015
- XXXVI. **Finite Series Based Model Reference Adaptive Control**
Rustu Berk G., KUTAY A. T.
AIAA Atmospheric Flight Mechanics Conference, Dallas, TX, Amerika Birleşik Devletleri, 22 - 26 Haziran 2015
- XXXVII. **Linear Analysis of Zero-Lift Pitching Moment Coefficient and Gravity Effects on Missile Autopilots**
Ovec N. T., Erer K. S., KUTAY A. T.
IEEE Aerospace Conference, Montana, Amerika Birleşik Devletleri, 7 - 14 Mart 2015
- XXXVIII. **Analysis of five-hole probe calibration parameters**
Karahan S., KUTAY A. T.
31st AIAA Aerodynamic Measurement Technology and Ground Testing Conference, 2015, Texas, Amerika Birleşik Devletleri, 22 - 26 Haziran 2015
- XXXIX. **Robust Model Following Control Design for Missile Roll Autopilot**
Gezer R. B., KUTAY A. T.
United-Kingdom-Automatic-Control-Council (UKACC) 10th International Conference on Control (CONTROL), Loughborough, Birleşik Krallık, 9 - 11 Temmuz 2014, ss.7-12
- XL. **Optimal Path Tracking Control of a Quadrotor UAV**
Suicmez E. C., KUTAY A. T.
International Conference on Unmanned Aircraft Systems (ICUAS), Florida, Amerika Birleşik Devletleri, 27 - 30 Mayıs 2014, ss.115-125
- XLI. **Adaptive robust attitude controller design for a quadrotor platform**
Yilmaz E., KUTAY A. T.
AIAA AVIATION 2014 -AIAA Atmospheric Flight Mechanics Conference 2014, Atlanta, GA, Amerika Birleşik Devletleri, 16 - 20 Haziran 2014

- XLII. Aerodynamic modeling and parameter estimation of a quadrotor helicopter**
Kaya D., KUTAY A. T.
AIAA AVIATION 2014 -AIAA Atmospheric Flight Mechanics Conference 2014, Atlanta, GA, Amerika Birleşik Devletleri, 16 - 20 Haziran 2014
- XLIII. SYSTEM IDENTIFICATION AND CONTROLLER DEVELOPMENTFOR A SMALL TURBOJET ENGINE**
Ekinci S., KUTAY A. T., UZOL O., Yiğittürk M.
6th Ankara International Aerospace Conference, Türkiye, 14 - 16 Eylül 2011
- XLIV. A comparison of two novel direct adaptive control methods under actuator failure accommodation**
Kutay A. T., Chowdhary G., Calise A. J., Johnson E. N.
AIAA Guidance, Navigation and Control Conference and Exhibit, Honolulu, HI, Amerika Birleşik Devletleri, 18 - 21 Ağustos 2008
- XLV. Closed-loop aerodynamic flow control of a free airfoil**
Brzozowski D. P., Culp J. R., Kutay A. T., Muse J. A., Glezer A.
4th AIAA Flow Control Conference, Seattle, WA, Amerika Birleşik Devletleri, 23 - 26 Haziran 2008
- XLVI. Validation of a low-order model for closed-loop flow control enable flight**
Tchieu A. A., Kutay A. T., Muse J. A., Calise A. J., Leonard A.
4th AIAA Flow Control Conference, Seattle, WA, Amerika Birleşik Devletleri, 23 - 26 Haziran 2008
- XLVII. Dynamic flight maneuvering using trapped vorticity flow control**
Muse J. A., Kutay A. T., Brzozowski D. P., Culp J. R., Calise A. J., Glezer A.
46th AIAA Aerospace Sciences Meeting and Exhibit, Reno, NV, Amerika Birleşik Devletleri, 7 - 10 Ocak 2008
- XLVIII. A Comparison of Select Direct Adaptive Control Methods Under Actuator Failure Accommodation**
KUTAY A. T., Chowdhary G., Calise A. J., Johnson E. N.
AIAA Guidance, Navigation and Control Conference and Exhibit, Honolulu, Hawaii, Amerika Birleşik Devletleri, 18 - 21 Ağustos 2008
- XLIX. Validation of A Low Order Model for Closed Loop Flow Control Enabled Flight**
Tchieu A., KUTAY A. T., Muse J., Calise A. J., Leonard A.
4th Flow Control Conference, Seattle, Washington, Amerika Birleşik Devletleri, 23 - 26 Haziran 2008
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Georgia Institute of Technology

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