

Prof. Cengiz Hacızade

Personal Information

Office Phone: [+90 212 285 3105](tel:+902122853105)

Email: cingiz@itu.edu.tr

Web: <https://avesis.itu.edu.tr/cingiz>

International Researcher IDs

ORCID: 0000-0003-4115-341X

Publons / Web Of Science ResearcherID: ABA-9626-2020

ScopusID: 56395481600

Yoksis Researcher ID: 51635

Education Information

Doctorate, Azerbaycan Devlet Neft Akademisi, Kontrol Mühendisliği, Azerbaijan 1983 - 1986

Undergraduate, Moskova Havacılık Enstitüsü (Ulusal Araştırma Üniversitesi), Uçan Araçların Otomatik Kontrol Sistemleri, Russia 1975 - 1981

Foreign Languages

Russian

Dissertations

Doctorate, YARI BATIRILMIŞ YÜZEN SONDAJ PLATFORMUNUN DURUMUNUN OTOMATİK DENETİM VE KONTROL SİSTEMİ İÇİN İNFORMASYON BİRİKTİRİMİ , Azerbaycan Devlet Neft Akademisi, Kontrol Mühendisliği, 1986

Research Areas

Technical Sciences, Aeronautical and Space Engineering

Academic Titles / Tasks

Professor, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 1996 - Continues

Courses

Aviyonik Navigasyon Sistemleri, Postgraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Attitude filtering with uncertain process and measurement noise covariance using SVD-aided adaptive UKF**
Hajiyev C., Çilden Güler D.
International Journal of Robust and Nonlinear Control, vol.33, no.17, pp.10512-10531, 2023 (SCI-Expanded)
- II. **TRIAD-Aided Multiplicative EKF for Small Satellite Attitude Estimation and Magnetometer Calibration**
Kinatas H., Hajiyev C.
IEEE Sensors Journal, vol.23, no.22, pp.27161-27168, 2023 (SCI-Expanded)
- III. **Geomagnetic storms in the context of spacecraft attitude estimation under different noise levels**
Çilden Güler D., Kaymaz Z., Hajiyev C.
Advances in Space Research, vol.72, no.7, pp.2733-2740, 2023 (SCI-Expanded)
- IV. **Fault-tolerant state estimation methods of cluster satellites**
Yunus Erkeç T., Hajiyev C.
Advances in Space Research, vol.71, no.9, pp.3868-3882, 2023 (SCI-Expanded)
- V. **An innovation-based actuator/surface fault detection, isolation and filter tuning**
Hajiyev C.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.95, no.3, pp.464-473, 2023 (SCI-Expanded)
- VI. **Attitude and gyro bias estimation by SVD-aided EKF**
Hajiyev C., Çilden Güler D.
MEASUREMENT, vol.205, 2022 (SCI-Expanded)
- VII. **Identification of hydrodynamic coefficients of AUV in the presence of measurement biases**
Dinc M., Hajiyev C.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.236, no.3, pp.756-763, 2022 (SCI-Expanded)
- VIII. **Formation Flight for Close Satellites With GPS-Based State Estimation Method**
Erkeç T. Y., Hacızade C.
IEEE SENSORS JOURNAL, vol.22, no.15, pp.15457-15464, 2022 (SCI-Expanded)
- IX. **Backup Magnetometer-Only Attitude Estimation Algorithm for Small Satellites**
Yakupoglu-Altuntas S., Eşit M., SÖKEN H. E., Hajiyev C.
IEEE SENSORS JOURNAL, vol.22, no.13, pp.13544-13551, 2022 (SCI-Expanded)
- X. **INS's Error Compensation via Measurement Differencing Kalman Filter**
Hacızade C.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.71, 2022 (SCI-Expanded)
- XI. **NANOSATELLITE ATTITUDE ESTIMATION IN SUN AND ECLIPSE PERIODS WITHOUT GYROSCOPES**
Hajiyev C., Çilden Güler D.
APPLIED AND COMPUTATIONAL MATHEMATICS, vol.21, no.3, pp.246-258, 2022 (SCI-Expanded)
- XII. **Satellite attitude estimation using SVD-Aided EKF with simultaneous process and measurement covariance adaptation**
Hajiyev C., Çilden Güler D.
ADVANCES IN SPACE RESEARCH, vol.68, no.9, pp.3875-3890, 2021 (SCI-Expanded)
- XIII. **Geomagnetic disturbance effects on satellite attitude estimation**
Çilden Güler D., Kaymaz Z., Hajiyev C.
ACTA ASTRONAUTICA, vol.180, pp.701-712, 2021 (SCI-Expanded)
- XIV. **Integration of barometric and GPS altimeters via adaptive data fusion algorithm**
Hajiyev C., Hacızade U., Çilden Güler D.
INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, vol.35, no.1, pp.2-14, 2021 (SCI-Expanded)
- XV. **Attitude Estimation with Albedo Interference on Sun Sensor Measurements**
Çilden Güler D., Schaub H., Hajiyev C., Kaymaz Z.
JOURNAL OF SPACECRAFT AND ROCKETS, vol.58, no.1, pp.148-163, 2021 (SCI-Expanded)
- XVI. **Two-Stage Kalman Filter for Fault Tolerant Estimation of Wind Speed and UAV Flight Parameters**
Hajiyev C., Çilden Güler D., Hacızade U.

MEASUREMENT SCIENCE REVIEW, vol.20, no.1, pp.35-42, 2020 (SCI-Expanded)

- XVII. Nontraditional Attitude Filtering with Simultaneous Process and Measurement Covariance Adaptation**
Hajiyev C., Soken H. E., Çilden Güler D.
JOURNAL OF AEROSPACE ENGINEERING, vol.32, no.5, 2019 (SCI-Expanded)
- XVIII. Nanosatellite attitude estimation using Kalman-type filters with non-Gaussian noise**
Çilden Güler D., Raitoharju M., Piche R., Hajiyev C.
AEROSPACE SCIENCE AND TECHNOLOGY, vol.92, pp.66-76, 2019 (SCI-Expanded)
- XIX. SVD-aided EKF attitude estimation with UD factorized measurement noise covariance**
Çilden Güler D., Hajiyev C.
ASIAN JOURNAL OF CONTROL, vol.21, no.4, pp.1423-1432, 2019 (SCI-Expanded)
- XX. ROBUST KALMAN FILTER-BASED FAULT-TOLERANT INTEGRATED BARO-INERTIAL-GPS ALTIMETER**
Contreras A. M., Hacızade C.
METROLOGY AND MEASUREMENT SYSTEMS, vol.26, no.4, pp.673-686, 2019 (SCI-Expanded)
- XXI. Evaluation of geomagnetic field models using magnetometer measurements for satellite attitude determination system at low earth orbits: Case studies**
Cilden-Guler D., Kaymaz Z., Hajiyev C.
ADVANCES IN SPACE RESEARCH, vol.61, no.1, pp.513-529, 2018 (SCI-Expanded)
- XXII. Spacecraft localization by indirect linear measurements from a single antenna**
Hajiyev C., Sofyali A.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.90, no.5, pp.734-742, 2018 (SCI-Expanded)
- XXIII. SINGLE-FRAME ATTITUDE DETERMINATION METHODS FOR NANOSATELLITES**
Cilden Guler D., CONGUROGLU E. S., Hajiyev C.
METROLOGY AND MEASUREMENT SYSTEMS, vol.24, no.2, pp.313-324, 2017 (SCI-Expanded)
- XXIV. Review on gyroless attitude determination methods for small satellites**
Hajiyev C., Cilden Guler D.
PROGRESS IN AEROSPACE SCIENCES, vol.90, pp.54-66, 2017 (SCI-Expanded)
- XXV. NANOSATELLITE ATTITUDE ESTIMATION FROM VECTOR MEASUREMENTS USING SVD-AIDED UKF ALGORITHM**
CILDEN D., SOKEN H. E., Hajiyev C.
METROLOGY AND MEASUREMENT SYSTEMS, vol.24, no.1, pp.113-125, 2017 (SCI-Expanded)
- XXVI. Gyro-free attitude and rate estimation for a small satellite using SVD and EKF**
Hajiyev C., Cilden D., SOMOV Y.
AEROSPACE SCIENCE AND TECHNOLOGY, vol.55, pp.324-331, 2016 (SCI-Expanded)
- XXVII. Active Fault-Tolerant Control of UAV Dynamics against Sensor-Actuator Failures**
Çalışkan F., HAJIYEV C.
JOURNAL OF AEROSPACE ENGINEERING, vol.29, no.4, 2016 (SCI-Expanded)
- XXVIII. Sensor Calibration Design Based on D Optimality Criterion**
HACIZADE C.
Metrology and Measurement Systems, vol.23, no.3, pp.413-424, 2016 (SCI-Expanded)
- XXIX. Orbital Calibration of Microsatellite Magnetometers Using a Linear Kalman Filter**
Hajiyev C.
MEASUREMENT TECHNIQUES, vol.58, no.9, pp.1037-1043, 2015 (SCI-Expanded)
- XXX. Single Station Antenna-Based Spacecraft Orbit Determination via Robust EKF against the Effect of Measurement Matrix Singularity**
Sofyali A., HAJIYEV C.
JOURNAL OF AEROSPACE ENGINEERING, vol.28, no.1, 2015 (SCI-Expanded)
- XXXI. Integration of navigation systems for autonomous underwater vehicles**
Dinc M., Hajiyev C.
JOURNAL OF MARINE ENGINEERING AND TECHNOLOGY, vol.14, no.1, pp.32-43, 2015 (SCI-Expanded)
- XXXII. REKF and RUKF for pico satellite attitude estimation in the presence of measurement faults**

- Soeken H. E., HAJIYEV C.
JOURNAL OF SYSTEMS ENGINEERING AND ELECTRONICS, vol.25, no.2, pp.288-297, 2014 (SCI-Expanded)
- XXXIII. **Robust Kalman filtering for small satellite attitude estimation in the presence of measurement faults**
Soken H. E., HAJIYEV C., SAKAI S.
EUROPEAN JOURNAL OF CONTROL, vol.20, no.2, pp.64-72, 2014 (SCI-Expanded)
- XXXIV. **Robust adaptive unscented Kalman filter for attitude estimation of pico satellites**
Hajiyev C., SOKEN H. E.
INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, vol.28, no.2, pp.107-120, 2014 (SCI-Expanded)
- XXXV. **Generalized Rayleigh quotient based innovation covariance testing applied to sensor/actuator fault detection**
Hajiyev C.
MEASUREMENT, vol.47, pp.804-812, 2014 (SCI-Expanded)
- XXXVI. **Extended Kalman filter application for high-noise cancelation in control telemetry channels of oil electric submersible pump**
Ali-Zade P., HAJIYEV C., Hajiyeva U., YILMAZ M.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.110, pp.109-118, 2013 (SCI-Expanded)
- XXXVII. **Two-stage Kalman filter-based actuator/surface fault identification and reconfigurable control applied to F-16 fighter dynamics**
Hajiyev C.
INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, vol.27, no.9, pp.755-770, 2013 (SCI-Expanded)
- XXXVIII. **Adaptive Fading UKF with Q-Adaptation: Application to Picosatellite Attitude Estimation**
Soken H. E., HAJIYEV C.
JOURNAL OF AEROSPACE ENGINEERING, vol.26, no.3, pp.628-636, 2013 (SCI-Expanded)
- XXXIX. **A review of in-flight detection and identification of aircraft icing and reconfigurable control**
Çalışkan F., HAJIYEV C.
PROGRESS IN AEROSPACE SCIENCES, vol.60, pp.12-34, 2013 (SCI-Expanded)
- XL. **Robust Adaptive Kalman Filter for estimation of UAV dynamics in the presence of sensor/actuator faults**
Hajiyev C., SOKEN H. E.
AEROSPACE SCIENCE AND TECHNOLOGY, vol.28, no.1, pp.376-383, 2013 (SCI-Expanded)
- XLI. **Identification of Orbital Measurements**
Hacızade C.
Measurement Techniques, vol.55, no.11, pp.1234-1239, 2013 (SCI-Expanded)
- XLII. **Identification of orbital measurements of spacecraft**
Hajiyev C.
MEASUREMENT TECHNIQUES, vol.55, no.11, pp.1234-1239, 2013 (SCI-Expanded)
- XLIII. **UKF-Based Reconfigurable Attitude Parameters Estimation and Magnetometer Calibration**
Soken H. E., HAJIYEV C.
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.48, no.3, pp.2614-2627, 2012 (SCI-Expanded)
- XLIV. **UKF based in-flight calibration of magnetometers and rate gyros for pico satellite attitude determination**
Soeken H. E., HAJIYEV C.
ASIAN JOURNAL OF CONTROL, vol.14, no.3, pp.707-715, 2012 (SCI-Expanded)
- XLV. **Fault tolerant integrated radar/inertial altimeter based on Nonlinear Robust Adaptive Kalman filter**
Hajiyev C.
AEROSPACE SCIENCE AND TECHNOLOGY, vol.17, no.1, pp.40-49, 2012 (SCI-Expanded)
- XLVI. **Tracy-Widom distribution based fault detection approach: Application to aircraft sensor/actuator fault detection**

- Hajiyev C.
ISA TRANSACTIONS, vol.51, no.1, pp.189-197, 2012 (SCI-Expanded)
- XLVII. **Robust Estimation of UAV Dynamics in the Presence of Measurement Faults**
Hajiyev C., SOKEN H. E.
JOURNAL OF AEROSPACE ENGINEERING, vol.25, no.1, pp.80-89, 2012 (SCI-Expanded)
- XLVIII. **Innovation based two-interval overlap test for failure prediction in measurement systems**
Hajiyev C.
MEASUREMENT, vol.44, no.9, pp.1543-1550, 2011 (SCI-Expanded)
- XLIX. **GNSS SIGNALS PROCESSING VIA LINEAR AND EXTENDED KALMAN FILTERS**
Hajiyev C.
ASIAN JOURNAL OF CONTROL, vol.13, no.2, pp.273-282, 2011 (SCI-Expanded)
- L. **Testing the covariance matrix of the innovation sequence with sensor/actuator fault detection applications**
Hajiyev C.
INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, vol.24, no.9, pp.717-730, 2010 (SCI-Expanded)
- LI. **Pico satellite attitude estimation via Robust Unscented Kalman Filter in the presence of measurement faults**
Soken H. E., HAJIYEV C.
ISA TRANSACTIONS, vol.49, no.3, pp.249-256, 2010 (SCI-Expanded)
- LII. **Determination of optimum measurement points via A-optimality criterion for the calibration of measurement apparatus**
Hajiyev C.
MEASUREMENT, vol.43, no.4, pp.563-569, 2010 (SCI-Expanded)
- LIII. **Fault detection in sensor information fusion Kalman filter**
Okatan A., HAJIYEV C., Hajiyeva U.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.63, no.9, pp.762-768, 2009 (SCI-Expanded)
- LIV. **Aircraft icing detection, identification, and reconfigurable control based on Kalman filtering and neural networks**
Caliskan F., AYKAN R., HAJIYEV C.
JOURNAL OF AEROSPACE ENGINEERING, vol.21, no.2, pp.51-60, 2008 (SCI-Expanded)
- LV. **Fuzzy logic-based automated engine health monitoring for commercial aircraft**
Demirci S., HAJIYEV C., SCHWENKE A.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.80, no.5, pp.516-525, 2008 (SCI-Expanded)
- LVI. **Determining the Operating Conditions of Floating Marine Platforms Based on the Predicted Motion Control Under Conditions of Wind and Wave Disturbances**
Hacizade C.
Measurement Techniques, vol.51, no.1, pp.28-33, 2008 (SCI-Expanded)
- LVII. **Adaptive filtration algorithm with the filter gain correction applied to integrated INS/radar altimeter**
Hajiyev C.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, vol.221, pp.847-855, 2007 (SCI-Expanded)
- LVIII. **Innovation approach based measurement error self-correction in dynamic systems**
Hajiyev C.
MEASUREMENT, vol.39, no.7, pp.585-593, 2006 (SCI-Expanded)
- LIX. **A Sequential Method of Calibrating Measurement Instruments with a Kalman filter**
Hacizade C.
MEASUREMENT TECHNIQUES, vol.49, no.4, pp.357-366, 2006 (SCI-Expanded)
- LX. **Kalman filter and neural network-based icing a identification applied to A340 aircraft dynamics**
Aykan R., HAJIYEV C., CALISKAN F.

- AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.77, no.1, pp.23-33, 2005 (SCI-Expanded)
- LXI. **Sensor and control surface/actuator failure detection and isolation applied to F-16 flight dynamic**
Hajiyev C., CALISKAN F.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.77, no.2, pp.152-160, 2005 (SCI-Expanded)
- LXII. **Error analysis and motion determination of a flight simulator**
Yurt S. N., Ozkol I., HAJIYEV C.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.76, no.2, pp.185-192, 2004 (SCI-Expanded)
- LXIII. **Attitude Determination and Control System Design of the ITU UUBF LEO1 Satellite**
Hacızade C.
ACTA ASTRONAUTICA, vol.52, pp.493-499, 2003 (SCI-Expanded)
- LXIV. **An Approach to Improve the Offshore Platform Coordinates Accuracy by Using Multichannel Kalman Filtering**
Hacızade C.
ISA Transactions, Journal of Automation and Measurement, vol.42, no.1, pp.53-61, 2003 (SCI-Expanded)
- LXV. **An approach to improve the offshore platform coordinates accuracy by using multichannel Kalman filtering**
Hacızade C., Çalışkan F.
ISA TRANSACTIONS, vol.42, no.1, pp.53-61, 2003 (SCI-Expanded)
- LXVI. **Optimization of the PD coefficient in a flight simulator control via genetic algorithms**
Yurt S. N., Ozkol I., KAYA M., HACIYEV C.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.74, no.2, pp.147-153, 2002 (SCI-Expanded)
- LXVII. **Integrated sensor/actuator FDI and reconfigurable control for fault-tolerant flight control system design**
Hacızade C., Çalışkan F.
AERONAUTICAL JOURNAL, vol.105, no.1051, pp.525-533, 2001 (SCI-Expanded)
- LXVIII. **Optimization of the allowed drilling area in the operation of offshore platforms**
Hacızade C.
MEASUREMENT TECHNIQUES, vol.44, no.6, pp.590-593, 2001 (SCI-Expanded)
- LXIX. **Integrated sensor actuator FDI and reconfigurable control for fault tolerant flight control system design**
Hacızade C.
The Aeronautical Journal, vol.105, no.1051, pp.525-533, 2001 (SCI-Expanded)
- LXX. **Sensor/actuator fault diagnosis based on statistical analysis of innovation sequence and Robust Kalman Filtering**
Hajiyev C., CALISKAN F.
AEROSPACE SCIENCE AND TECHNOLOGY, vol.4, no.6, pp.415-422, 2000 (SCI-Expanded)
- LXXI. **A recurrent algorithm for estimating a linear regression model with account of the regression vector error**
Hacızade C.
Industrial Laboratory, vol.66, no.7, pp.486-489, 2000 (SCI-Expanded)
- LXXII. **Innovation sequence application to aircraft sensor fault detection: comparison of checking covariance matrix algorithms**
Caliskan F., HAJIYEV C.
ISA TRANSACTIONS, vol.39, no.1, pp.47-56, 2000 (SCI-Expanded)
- LXXIII. **A optimal plan for locating extension wells when prospecting for oil deposits**
Hacızade C.
MEASUREMENT TECHNIQUES, vol.43, no.3, pp.222-228, 2000 (SCI-Expanded)
- LXXIV. **Sensor Fault Detection in Flight Control Systems Based on the Kalman Filter Innovation Sequence**
Hacızade C.
IMechE Proceedings , Part I, J.Systems & Control Engineering, vol.213, pp.243-248, 1999 (SCI-Expanded)
- LXXV. **Sensor fault detection in flight control systems based on the Kalman filter innovation sequence**

Çalışkan F., Hacızade C.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, vol.213, pp.243-248, 1999 (SCI-Expanded)

LXXVI. Distributions of scalar measures of a Wishart random matrix

Hacızade C.

Industrial Laboratory, vol.0, no.5, pp.340-341, 1999 (SCI-Expanded)

LXXVII. Experimental Design in Problems Involving Measurement of the Mass of Petroleum Products in Storage Tanks

Hacızade C.

MEASUREMENT TECHNIQUES, vol.39, no.6, pp.629-632, 1996 (SCI-Expanded)

LXXVIII. Multidimensional Dynamical System Mathematical Model Adequacy Operative Verifying

Hacızade C.

AUTOMATION AND REMOTE CONTROL, vol.56, no.7, pp.949-955, 1995 (SCI-Expanded)

LXXIX. Sequential Method for Verifying Adequacy of Mathematical Models for Multidimensional Dynamical Systems with Biased Measurements

Hacızade C.

MEASUREMENT TECHNIQUES, vol.38, no.10, pp.1082-1088, 1995 (SCI-Expanded)

LXXX. Problems in Analyzing Hydrostatic Measurements of the Mass of Petroleum Products by Data Measurement Systems

Hacızade C.

MEASUREMENT TECHNIQUES, vol.37, no.12, pp.1063-1067, 1994 (SCI-Expanded)

Articles Published in Other Journals

I. Estimation of the Relative States of Satellite Formation Flights Using the Adaptive Extended Kalman Filter

Tuncay Yunus Erkeç Y., Chingiz Hajiyeve H.

Gyroscopy and Navigation, vol.14, no.2, pp.154-165, 2023 (Scopus)

II. A Covariance Matching-Based Adaptive Measurement Differencing Kalman Filter for INS's Error Compensation

Hajiyeve C., Hacızade U.

WSEAS Transactions on Systems and Control, vol.18, pp.478-486, 2023 (Scopus)

III. TRIAD aided adaptive Kalman filter for fault tolerant attitude estimation of a nanosatellite

Kinatas H., Hajiyeve C.

International Journal of Sustainable Aviation, vol.9, no.3, pp.191-204, 2023 (ESCI)

IV. Magnetic Torquers Only Attitude Control of a 3U Cube Satellite

Erturk M. F., HACIZADE C.

WSEAS Transactions on Signal Processing, vol.18, pp.128-133, 2022 (Peer-Reviewed Journal)

V. GNSS-based position estimation with Kalman filters

Sever M., Hajiyeve C.

INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.8, no.3, pp.181-197, 2022 (ESCI)

VI. TRIAD-Aided EKF for Satellite Attitude Estimation and Sensor Calibration

Gokcay M. A., Hajiyeve C.

WSEAS Transactions on Applied and Theoretical Mechanics, vol.17, pp.207-214, 2022 (Scopus)

VII. QUEST Aided EKF for Attitude and Rate Estimation Using Modified Rodrigues Parameters

Kinatas H., Hajiyeve C.

WSEAS Transactions on Systems and Control, vol.17, pp.250-261, 2022 (Scopus)

VIII. Sensor FDI and reconfiguration in B-747 aircraft flight control system

Güven A., Hacızade C.

INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.8, no.4, pp.312-335, 2022 (ESCI)

- IX. **Fault Tolerant Attitude Estimation for a Nanosatellite Using Adaptive Kalman Filter with Single Scaling Factor**
Kinataş H., HACIZADE C.
Havacılık ve Uzay Teknolojileri Dergisi, vol.15, no.2, pp.74-93, 2022 (Peer-Reviewed Journal)
- X. **Comparison of TRIAD+EKF and TRIAD+UKF Algorithms for Nanosatellite Attitude Estimation**
Gokcay M. A., Hajiyeve C.
WSEAS Transactions on Systems and Control, vol.17, pp.201-206, 2022 (Scopus)
- XI. **Fault-tolerant estimation of satellite orbital states**
Erkeç T. Y., Hajiyeve C.
INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.7, no.3, pp.203-226, 2021 (ESCI)
- XII. **GNSS Signal Processing with EKF and UKF for Stationary User Position Estimation**
Sever M., HACIZADE C.
WSEAS TRANSACTIONS ON SIGNAL PROCESSING, vol.17, pp.75-80, 2021 (Peer-Reviewed Journal)
- XIII. **Active fault tolerant flight control for UAV actuator failures**
Mammadov H., HACIZADE C.
Mathematics In Engineering, Science And Aerospace, vol.10, no.4, pp.657-670, 2019 (Scopus)
- XIV. **Two-Stage Kalman Filter for Estimation of Wind Speed and UAV States by using GPS, IMU and Air Data System**
HACIZADE C., ÇILDEN GÜLER D., Hacizade U.
WSEAS Transactions On Electronics, vol.10, pp.60-65, 2019 (Peer-Reviewed Journal)
- XV. **SVD-Aided UKF for Estimation of Nanosatellite Rotational Motion Parameters**
ÇILDEN GÜLER D., Soken H. E., HACIZADE C.
WSEAS Transactions on Signal Processing, vol.14, pp.27-35, 2018 (Peer-Reviewed Journal)
- XVI. **Fault tolerant control of attitude dynamics of nanosatellites**
Cilden-Guler D., Hajiyeve C., Dasdemir J.
INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.4, no.2, pp.99-113, 2018 (ESCI)
- XVII. **Attitude and Rate Estimation for Nanosatellite from Vector Measurements Using SVD-Aided UKF Algorithm**
ÇILDEN GÜLER D., SOKEN H. E., HACIZADE C.
International Journal of Mathematical and Computational Methods, vol.2, pp.346-353, 2017 (Peer-Reviewed Journal)
- XVIII. **Singular value decomposition based satellite attitude determination using different sensor configurations**
Guler D., Hajiyeve C.
International Journal of Metrology and Quality Engineering, vol.8, 2017 (Scopus)
- XIX. **Two-stage Kalman filter for estimating the actuator control effectiveness factors of UAV**
Vural S. Y., Hajiyeve C.
INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.3, no.3, pp.233-251, 2017 (ESCI)
- XX. **Fault tolerant estimation of electro-mechanical actuator parameters via robust EKF**
Hajiyeve C.
INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.3, no.2, pp.100-114, 2017 (ESCI)
- XXI. **Sensor Actuator Fault Detection Isolation and Accommodation Applied to UAV Model**
VURAL S. Y., HACIZADE C.
Journal of Aeronautics and Space Technologies, vol.9, no.2, pp.1-12, 2016 (Peer-Reviewed Journal)
- XXII. **Nontraditional Approach to Satellite Attitude Estimation**
HACIZADE C., ÇILDEN D.
International Journal of Control Systems and Robotics, vol.1, pp.19-28, 2016 (Peer-Reviewed Journal)
- XXIII. **Fault tolerant estimation of F-16 fighter dynamics against sensor faults**
COMAS-BURCET J., Hajiyeve C.
INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.2, no.1, pp.52-73, 2016 (ESCI)
- XXIV. **In orbit magnetometer bias and scale factor calibration**

- HACIZADE C.
International Journal of Metrology and Quality Engineering, vol.7, no.1, pp.104, 2016 (Scopus)
- XXV. **VEKTÖR GÖZLEMLERİ İLE KÜÇÜK UYDULARDA YÖNELİM BELİRLEME YÖNTEMLERİ**
ÇİLDEN D., HACIZADE C.
HAVACILIK VE UZAY TEKNOLOJİLERİ DERGİSİ, vol.7, pp.35-43, 2014 (Peer-Reviewed Journal)
- XXVI. **Estimation of Pico Satellite Attitude Dynamics and External Torques via Unscented Kalman Filter**
Soken H. E., HACIZADE C.
Journal of Aerospace Technology and Management, vol.6, no.2, pp.149-157, 2014 (Scopus)
- XXVII. **Data Collection System Identification of Multicopter Vehicle**
Mutlu T., HACIZADE C.
Machines, Technologies, Materials International Virtual Journal, no.2, pp.51-55, 2014 (Peer-Reviewed Journal)
- XXVIII. **A comparison of longitudinal controllers for autonomous UAV**
Vural S. Y., HACIZADE C.
International Journal of Sustainable Aviation, 2014 (ESCI)
- XXIX. **LQR Controller with Kalman Estimator Applied to UAV Longitudinal Dynamics**
HACIZADE C., Vural S. Y.
Positioning, vol.4, no.1, pp.36-41, 2013 (Peer-Reviewed Journal)
- XXX. **Error analysis of orbit determination for the geostationary satellite with single station antenna tracking data**
Ata M., HACIZADE C.
Positioning, 2011 (Peer-Reviewed Journal)
- XXXI. **Reconfigurable UKF for in-flight magnetometer calibration and attitude parameter estimation**
Soken H. E., HACIZADE C.
IFAC-PapersOnline, 2011 (Scopus)
- XXXII. **Letter to the Editor**
Hajiyev C.
Aircraft Engineering and Aerospace Technology, vol.82, no.2, 2010 (Scopus)
- XXXIII. **Robust UKF Insensitive to Measurement Faults for Pico Satellite Attitude Estimation**
Soken H. E., HACIZADE C.
World Academy of Science, Engineering and Technology, vol.68, pp.650-655, 2010 (Peer-Reviewed Journal)
- XXXIV. **Kalman Filter for Estimation of a Linear Regression Model with Account of the Regression Vector Error and its Application to Calibration of Measuring Instruments**
Hajiyev C.
MEASUREMENT TECHNOLOGY AND INTELLIGENT INSTRUMENTS VIII, pp.557-560, 2008 (Scopus)

Books & Book Chapters

- I. **Integration of Baro-Inertial-GPS Altimeter via Complementary Kalman Filter**
Contreras A. M., HACIZADE C.
in: Advances in Sustainable Aviation, Karakoç T., Colpan C., Şöhret Y., Editor, Springer, pp.251-268, 2018
- II. **Gyroless Attitude Determination of Nanosatellites**
ÇİLDEN GÜLER D., HACIZADE C.
LAP LAMBERT Academic Publishing, Saarbrücken, 2017
- III. **Diagnosis and Fault Tolerant Control in Dynamic Systems**
Shumsky A., Zhirabok A., HACIZADE C.
Far Eastern Federal University, Vladivostok, 2016
- IV. **Integration of Single-Frame and Filtering Methods for Nanosatellite Attitude Estimation**
Soken H. E., ÇİLDEN GÜLER D., HACIZADE C.
in: Multisensor Attitude Estimation Fundamental Concepts and Applications, Hassen Fourati, Djamel Eddine Chouaib Belkhiat, Editor, CRC Press, 2016

- V. **State Estimation and Control for Low cost Unmanned Aerial Vehicles**
HACIZADE C., Soken H. E., Vural S. Y.
Springer International Publishing Switzerland, 2015
- VI. **Robust Kalman Filtering with Single and Multiple Scale Factors for Small Satellite Attitude Estimation**
Soken H. E., HACIZADE C., Sakai S.
in: Advances in Estimation Navigation and Spacecraft Control, Choukroun, D., Oshman, Y., Thienel, J., Idan, M., Editor, Springer-Verlag Berlin Heidelberg, pp.391-411, 2015
- VII. **Aircraft icing detection, identification and reconfigurable control**
Hacizade C., Çalışkan F.
Lambert, Saarbrücken, 2011
- VIII. **Fault diagnosis and reconfiguration in flight control systems**
HACIZADE C., ÇALIŞKAN F.
Springer Science+Business Media, 2003

Refereed Congress / Symposium Publications in Proceedings

- I. **Comparison of EKF&UKF for GNSS Based Micro Satellite Orbital State Estimation**
Sever M., Erkeç T. Y., Hajiyeç C.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Turkey, 7 - 09 June 2023
- II. **Relative State Estimation for Two-Satellite Formation with Three Extended Kalman Filters Architecture using GNSS Receivers**
Erkeç T. Y., Hajiyeç C.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Turkey, 7 - 09 June 2023
- III. **Development of Satellite Attitude Controller with TRIAD and Particle Swarm Optimization Using Only Magnetic Actuators**
Erturk M. F., Hajiyeç C.
5th International Conference on Problems of Cybernetics and Informatics, PCI 2023, Baku, Azerbaijan, 28 - 30 August 2023
- IV. **Aircraft State Estimation via KF&AKF Methods**
Sever M., Erkeç T. Y., Hajiyeç C.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Turkey, 7 - 09 June 2023
- V. **Multiple Fading Factors Based Adaptive SVD-aided UKF for Small Satellite Attitude Estimation**
Hajiyeç C., Çilden Güler D.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Turkey, 7 - 09 June 2023
- VI. **Nonlinear Two-Stage Kalman Filter for in-Orbit Calibration of Magnetometers**
Hajiyeç C.
5th International Conference on Problems of Cybernetics and Informatics, PCI 2023, Baku, Azerbaijan, 28 - 30 August 2023
- VII. **A Model Predictive Control Based Magnetorquer-only Attitude Control Approach for a Small Satellite**
Eşit M., Soken H. E., HACIZADE C.
22nd IFAC International Symposium on Automatic Control in Aerospace 2022, Mumbai, India, 21 November 2022
- VIII. **Non Traditional Gyro-Based EKF for Small Satellite Attitude Estimation and Sensor Bias Calibration**
Kinataş H., HACIZADE C.
11th Nanosatellite Symposium, İstanbul, Turkey, 17 October 2022
- IX. **SVD-Aided EKF with process noise covariance adaptation applied to satellite attitude dynamics**
Hajiyeç C., ÇİLDEN GÜLER D.

4th International Workshop on Computer Modeling and Intelligent Systems, CMIS 2021, Zaporizhzhya, Ukraine, 27 April 2021, vol.2864, pp.390-399

- X. **Two stage kalman filter based fault tolerant control of uav longitudinal dynamics against actuator failures**
HACIZADE C., ÇALIŞKAN F.
COIA'20, 26 - 28 August 2020
- XI. **Are External Magnetic Disturbances Suppressed by Magnetometer Noise when Estimating a Nanosatellite's Rotational Motion?**
ÇILDEN GÜLER D., HACIZADE C., KAYMAZ Z.
21st IFAC World Congress 2020, 11 - 17 July 2020
- XII. **Assessment of Fault Tolerant Estimation for Light Utility Helicopter Dynamics**
Dökme Ö., HACIZADE C.
8th Asian/Australian Rotorcraft Forum, 30 October - 02 November 2019
- XIII. **Active Fault Tolerant Lateral Control Against Actuator Faults Applied to AUV Dynamics**
HACIZADE C., Vural S. Y.
4th Conference on Control and Fault Tolerant Systems, 18 - 20 September 2019, pp.153-158
- XIV. **Parçacık Sürü Optimizasyon Güdümü ve Performans Karşılaştırması**
Turan E., HACIZADE C.
TOK'xx2019 Otomatik Kontrol Ulusal Toplantısı, Turkey, 11 - 14 September 2019, pp.398-403
- XV. **Nanosatellite Attitude Estimation via Weighted Least Square Method and Error Analysis**
HACIZADE C., Gökçay M. A.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.775-778
- XVI. **Performance Comparison of Guidance Algorithms for Planetary Landing, Asteroid Intercept and Rendezvous**
Turan E., HACIZADE C.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.915-925
- XVII. **Assessment of Magnetic Storm Effects under Various Magnetometer Noise Levels for Satellite Attitude Estimation**
ÇILDEN GÜLER D., KAYMAZ Z., HACIZADE C.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.769-773
- XVIII. **Data Fusion for Integrated Baro/GPS Altimeter**
HACIZADE C., Hacizade U., ÇILDEN GÜLER D.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.881-885
- XIX. **Traditional Methods on Relative Navigation of Small Satellites**
Erkeç T. Y., HACIZADE C.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.869-874
- XX. **A Comparison of Intuitive and Adaptive Approaches**
Soken H. E., HACIZADE C.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.747-752
- XXI. **Measurement Conversion Based RKF for Satellite Localization via GPS**
Bağcı M., HACIZADE C.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.861-868
- XXII. **Two-Stage Kalman Filter for Estimation of Wind Speed and UAV Flight Parameters Based on GPS/INS and Pitot Tube Measurements**

- HACIZADE C., ÇILDEN GÜLER D., Hacizade U.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.875-880
- XXIII. **EKF for Wind Speed Estimation and Sensor Fault Detection Using Pitot Tube Measurements**
HACIZADE C., ÇILDEN GÜLER D., Hacizade U.
9th International Conference on Recent Advances in Space Technologies "Space for the Sustainable Development Goals" (RAST-2019), 11 - 14 June 2019, pp.887-893
- XXIV. **Comparison of Conventional and Robust Adaptive Kalman Filters Based Integrated Altimeters**
Contreras A. M., HACIZADE C.
20th International Carpathian Control Conference, 26 - 29 May 2019
- XXV. **Two-Stage Kalman Filter for Estimation of Wind Speed and UAV States by using GPS, IMU and Air Data System**
HACIZADE C., ÇILDEN GÜLER D., Hacizade U.
WSEAS Conferences 2019, Lizbon, Portugal, 12 - 14 April 2019
- XXVI. **Tuning the Attitude Filter: A Comparison of Intuitive and Adaptive Approaches**
Soken H. E., Hacizade C.
9th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 11 - 14 June 2019, pp.747-752
- XXVII. **Comparison of Conventional and Robust Adaptive Kalman Filters Based Integrated Altimeters**
Contreras A. M., Hajiyeve C.
20th International Carpathian Control Conference (ICCC), Poland, 26 - 29 May 2019, pp.305-310
- XXVIII. **Performance Comparison of Guidance Algorithms for Asteroid Intercept**
Turan E., Hajiyeve C.
9th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 11 - 14 June 2019, pp.919-925
- XXIX. **Passive Fault Tolerant Lateral Controller Design For an UAV**
Vural S. Y., DAŞDEMİR J., HACIZADE C.
18th IFAC International Conference "International Stability, Technology and Culture", 13 August - 15 September 2018
- XXX. **Robust Kalman Filter Based Estimation of AUV Dynamics in the Presence Of Sensor Faults**
HACIZADE C., Vural S. Y., Zhirabok A., Shumsky A.
18th IFAC International Conference "International Stability, Technology and Culture", 13 - 15 September 2018
- XXXI. **Gyroless Nanosatellite Attitude Estimation in Loss of Sun Sensor Measurements**
HACIZADE C., ÇILDEN GÜLER D.
18th IFAC International Conference "International Stability, Technology and Culture", 13 - 15 September 2018
- XXXII. **An Innovation Approach Based Model Change Detection Applied to UAV Actuator/Surface FDI**
HACIZADE C.
18th IFAC International Conference "International Stability, Technology and Culture", 13 - 15 September 2018
- XXXIII. **UD Factorization Based Non-Traditional Attitude Estimation of Nanosatellite with Rate Gyros FDI**
ÇILDEN GÜLER D., HACIZADE C.
18th IFAC International Conference "International Stability, Technology and Culture", 13 - 15 September 2018
- XXXIV. **Reconfigurable Fault Tolerant Flight Control for UAV with Pseudo-Inverse Technique**
Mammadov H., HACIZADE C.
18th IFAC International Conference "International Stability, Technology and Culture", 13 - 15 September 2018
- XXXV. **Fault tolerant estimation of light utility helicopter dynamics against sensor faults**
Dökme Ö., HACIZADE C.
International Eurasian Conference on Science, Engineering and Technology, 22 - 23 November 2018
- XXXVI. **Robust Kalman Filter Based Estimation of AUV Dynamics in the Presence Of Sensor Faults**
Hajiyeve C., Vural S. Y., Shumsky A., Zhirabok A.
18th International-Federation-of-Automatic-Control (IFAC) Conference on Technology, Culture and International Stability (TECIS), Baku, Azerbaijan, 13 - 15 September 2018, vol.51, pp.424-429

- XXXVII. **Gyroless Nanosatellite Attitude Estimation in Loss of Sun Sensor Measurements**
Hajiyev C., Çilden Güler D.
18th International-Federation-of-Automatic-Control (IFAC) Conference on Technology, Culture and International Stability (TECIS), Baku, Azerbaijan, 13 - 15 September 2018, vol.51, pp.89-94
- XXXVIII. **An Innovation Approach Based Model Change Detection Applied to UAV Actuator/Surface FDI**
Hajiyev C.
18th International-Federation-of-Automatic-Control (IFAC) Conference on Technology, Culture and International Stability (TECIS), Baku, Azerbaijan, 13 - 15 September 2018, vol.51, pp.77-82
- XXXIX. **Passive Fault Tolerant Lateral Controller Design For an UAV**
Vural S. Y., DAŞDEMİR J., Hajiyev C.
18th International-Federation-of-Automatic-Control (IFAC) Conference on Technology, Culture and International Stability (TECIS), Baku, Azerbaijan, 13 - 15 September 2018, vol.51, pp.446-451
- XL. **Reconfigurable Fault Tolerant Flight Control for UAV with Pseudo-Inverse Technique**
Mammadov H., Hajiyev C.
18th International-Federation-of-Automatic-Control (IFAC) Conference on Technology, Culture and International Stability (TECIS), Baku, Azerbaijan, 13 - 15 September 2018, vol.51, pp.83-88
- XLI. **UD Factorization Based Non-Traditional Attitude Estimation of Nanosatellite with Rate Gyros FDI**
Çilden Güler D., Hajiyev C.
18th International-Federation-of-Automatic-Control (IFAC) Conference on Technology, Culture and International Stability (TECIS), Baku, Azerbaijan, 13 - 15 September 2018, vol.51, pp.95-100
- XLII. **Attitude Estimation of Small Satellites in Consideration of Geomagnetic Field Anomalies**
ÇILDEN GÜLER D., KAYMAZ Z., HACIZADE C.
42nd COSPAR Scientific Assembly, Pasadena, California, United States Of America, 14 - 22 July 2018
- XLIII. **Attitude Estimation by SVD/EKF using Reformed Measurements and Decomposed Noise Covariance**
ÇILDEN GÜLER D., HACIZADE C.
9th International Conference on Mechanical and Aerospace Engineering, 10 - 13 July 2018
- XLIV. **Test Platform for Small Satellite Attitude Determination and Control System**
Kutlu A., ÇILDEN GÜLER D., HACIZADE C.
9th International Conference on Mechanical and Aerospace Engineering, 10 - 13 July 2018
- XLV. **Kalman Filter Based Sensor Fault Detection And Isolation Algorithms Applied To Helicopter Dynamics**
Dökme Ö., HACIZADE C.
International Conference on Mathematics and Mathematics Education, 27 - 29 June 2018
- XLVI. **Reconfigurable Kalman Filter For Estimation Of Helicopter Flight Dynamics**
Dökme Ö., HACIZADE C.
International Conference on Mathematics and Mathematics Education, 27 - 29 June 2018
- XLVII. **Q-Adaptation of UKF Algorithm for Estimation of the Autonomous Underwater Vehicles Dynamics**
HACIZADE C., Soken H. E.
Proceedings of the 5th International Conference of Control, Dynamic Systems, and Robotics (CDSR'xx18), Niagara Falls, 7 June - 09 March 2018
- XLVIII. **Satellite Guidance and Control During Operative Optoelectronic Imagery for Disaster Management**
Somov Y., HACIZADE C.
The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 18 - 21 March 2018, pp.475
- XLIX. **Attitude and Rate Estimation for Nanosatellite from Vector Measurements Using SVD-Aided UKF Algorithm**
ÇILDEN GÜLER D., Soken H. E., HACIZADE C.
4th International Conference on Aeronautical and Mechanical Engineering (AEME 'xx17), 15 - 17 December 2017
- L. **Kalman Filter Based Loosely-Coupled GPS/INS Integration for Boeing-747 Aircraft Model**
Kamiloglu D. B., HACIZADE C.
9th Ankara International Aerospace Conference, 20 - 22 September 2017

- LI. **Attitude determination of nanosatellites in the sun-eclipse phases**
Hajiyev C., Çilden Güler D., Somov Y.
8th International Conference on Recent Advances in Space Technologies, RAST 2017, İstanbul, Turkey, 19 - 22 June 2017, pp.397-401
- LII. **Q-Adaptation of SVD-aided UKF Algorithm for Nanosatellite Attitude Estimation**
HACIZADE C., HALİL ERSİN S., ÇİLDEN GÜLER D.
The 20th World Congress of the International Federation of Automatic Control, Toulouse, France, 9 - 14 July 2017
- LIII. **Integrated SVD/EKF for Nano-satellite Attitude Determination in case of Magnetometer Faults**
ÇİLDEN GÜLER D., HACIZADE C.
7TH EUROPEAN CONFERENCE FOR AERONAUTICS AND SPACE SCIENCES (EUCASS) Copyright ©, Milan, Italy, 3 - 06 July 2017
- LIV. **Fault Tolerant Integrated Barometric-Inertial-GPS Altimeter**
Contreras A., HACIZADE C.
7th European Conference for Aeronautics and Space Sciences (EUCASS), 3 - 06 July 2017
- LV. **Integrated SVD/EKF Attitude Estimation with UDFactorization of the Measurement Noise Covariance**
ÇİLDEN GÜLER D., HACIZADE C.
8th International Conference on Recent Advances in Space Technologies - RAST 2017, 19 - 22 June 2017
- LVI. **Fault Tolerant Control of Attitude Dynamics of Nanosatellites**
ÇİLDEN GÜLER D., HACIZADE C., DAŞDEMİR J.
8th International Conference on Recent Advances in Space Technologies - RAST 2017, 19 - 22 June 2017
- LVII. **Attitude Determination of Nanosatellites in the Sun-Eclipse Phases**
HACIZADE C., ÇİLDEN GÜLER D., SOMOV Y.
8th International Conference on Recent Advances in Space Technologies - RAST 2017, 19 - 22 June 2017
- LVIII. **Geomagnetic Models at Low Earth Orbit and Their Use in Attitude Determination**
ÇİLDEN GÜLER D., KAYMAZ Z., HACIZADE C.
8th International Conference on Recent Advances in Space Technologies - RAST 2017, 19 - 22 June 2017
- LIX. **Nontraditional UKF Based Nanosatellite Attitude Estimation with the Process and Measurement Noise Covariances Adaptation**
ÇİLDEN GÜLER D., SOKEN H. E., HACIZADE C.
8th International Conference on Recent Advances in Space Technologies - RAST 2017, 19 - 22 June 2017
- LX. **Comparison of Linear and Nonlinear Measurements Based Orbit Estimation EKFs**
Bağcı M., HACIZADE C.
8th International Conference on Recent Advances in Space Technologies (RAST-2017), 19 - 22 June 2017
- LXI. **Precise Astroinertial Attitude Determination of a Maneuvering Land-survey Satellite**
Somov Y., Butyrin S., Somov S., HACIZADE C.
8th International Conference on Recent Advances in Space Technologies (RAST-2017), 19 - 22 June 2017
- LXII. **Non-Traditional Robust UKF against Attitude Sensors Faults**
ÇİLDEN GÜLER D., SOKEN H. E., HACIZADE C.
31st International Symposium on Space Technology and Science (ISTS), 3 - 09 June 2017
- LXIII. **Fault Tolerant Control of Attitude Dynamics of Nanosatellites**
Çilden Güler D., Hajiyev C., DAŞDEMİR J.
8th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 19 - 22 June 2017, pp.349-353
- LXIV. **Reconfigurable Fault Tolerant UAV Flight Control Against Actuator Faults**
HACIZADE C.
Australian Control Conference, Sidney, Australia, 3 - 04 November 2016, pp.323-328
- LXV. **Uydunun Dönme Hareketinin Arıza Toleranslı Kontrolü**
ÇİLDEN GÜLER D., DAŞDEMİR J., HACIZADE C.
Otomatik Kontrol Ulusal Toplantısı (TOK), Turkey, 29 September - 01 October 2016
- LXVI. **Measurement Differencing Approach Based Kalman Filter Applied To INS Error Compensation**
Hajiyev C.

- 20th IFAC Symposium on Automatic Control in Aerospace (ACA), Sherbrooke, Canada, 21 - 25 August 2016, vol.49, pp.343-348
- LXVII. **An Innovation Approach Based Sensor Fault Detection and Isolation**
Hajiyev C.
20th IFAC Symposium on Automatic Control in Aerospace (ACA), Sherbrooke, Canada, 21 - 25 August 2016, vol.49, pp.420-425
- LXVIII. **An Innovation Approach Based Sensor Fault Detection and Isolation**
HACIZADE C.
20th IFAC Symposium on Automatic Control in Aerospace, Sherbrooke, Canada, 21 - 25 August 2016
- LXIX. **Measurement Differencing Approach Based Kalman Filter Applied to INS Error Compensation**
HACIZADE C.
20th IFAC Symposium on Automatic Control in Aerospace, Sherbrooke, Canada, 21 - 25 August 2016
- LXX. **In-flight Management for Attitude Control System with Animation of Satellite Motion**
Somov Y., Butyrin S., Somov S., Somova T., Hajiyev C., Sukhanov V.
8th IFAC Conference on Manufacturing Modelling, Management and Control (MIM), Troyes, France, 28 - 30 June 2016, vol.49, pp.833-838
- LXXI. **Integrated NRM EKF for LEO Satellite GPS Based Orbit Determination**
Bagci M., HACIZADE C.
3rd IEEE International Workshop on Metrology for Aerospace. Florence, Florence, Italy, 21 - 23 June 2016, pp.466-471
- LXXII. **Estimation of UAV Dynamics Using Two Stage Kalman Filter**
Vural S. Y., HACIZADE C.
International Symposium On Sustainable Aviation, İstanbul, Turkey, 29 May - 01 June 2016, pp.418-421
- LXXIII. **Integrated Barometric Inertial GPS Altimeter**
Maero Contreras A., HACIZADE C.
International Symposium on Sustainable Aviation, İstanbul, Turkey, 29 May - 01 June 2016, pp.386-389
- LXXIV. **In flight Management for Attitude Control System with Animation of Satellite Motion**
Somov Y., Butyrin S., Somov S., Somova T., Sukhanov V., HACIZADE C.
IFAC Conference on Manufacturing Modelling, Management and Control, Troyes, France, 28 - 30 May 2016, pp.872-877
- LXXV. **Attitude Determination and Uncertainty Analysis in Eclipse of Small LEO Satellites**
ÇILDEN GÜLER D., HACIZADE C.
SIAM Conference on Uncertainty Quantification, 5 - 08 April 2016
- LXXVI. **Nontraditional Approach to Satellite Attitude Estimation**
HACIZADE C., ÇILDEN GÜLER D.
16th International Conference on Robotics, Control And Manufacturing Technology (ROCOM '16), 18 - 20 March 2016
- LXXVII. **Sensor eyleyici arızalarına karşı insansız hava aracının yeniden şekillendirilebilir kontrolü**
ÇALIŞKAN F., HACIZADE C.
Otomatik Kontrol Ulusal Toplantısı, TOK'2015, Turkey, 10 - 12 September 2015, pp.206-211
- LXXVIII. **Sensor Fault Detection by Testing the Generalized Variance of the Innovation Covariance**
HACIZADE C., Hacizade U.
XXI IMEKO World Congress, Czech Republic, 30 August - 04 September 2015, pp.1181-1186
- LXXIX. **In Orbit Magnetometer Calibration Based on Linear Kalman Filtering**
HACIZADE C.
XXI IMEKO World Congress, Czech Republic, 30 August - 04 September 2015, pp.1944-1949
- LXXX. **Low cost attitude determination system for a LEO information mini-satellite**
Somov Y., Butyrin S., Somov S., Hajiyev C.
7th International Conference on Recent Advances in Space Technologies, RAST 2015, İstanbul, Turkey, 16 - 19 June 2015, pp.725-730
- LXXXI. **Error Analysis of the Vector Measurements Based Attitude Determination Methods for Small**

Satellites

ÇILDEN D., HACIZADE C.

30th International Symposium on Space Technology and Science (ISTS), Kobe-Hyogo, Japan, 4 - 10 July 2015

- LXXXII. **Attitude Estimation for Nanosatellites Using Singular Value Decomposition and Unscented Kalman Filter**

ÇILDEN D., HACIZADE C.

30th International Symposium on Space Technology and Science (ISTS), Kobe-Hyogo, Japan, 4 - 10 July 2015

- LXXXIII. **Integrated SVD EKF for Small Satellite Attitude and Rate Estimation**

HACIZADE C., ÇILDEN D.

6th European Conference for Aeronautics and Space Sciences (EUCASS), 29 June - 02 July 2015

- LXXXIV. **Covariance Analysis of Three-Axis Attitude Determination Using Two Vector Measurements**

Cilden D., CONGUROGLU E. S., Hajiyev C.

7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.701-706

- LXXXV. **Comparison of Geomagnetic Field from Models and Satellite Observations for Attitude Determination Purposes**

Cilden D., Kaymaz Z., Hajiyev C.

7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.483-487

- LXXXVI. **Extraterrestrial Magnetic Field Effects on Attitude Determination Accuracy of Small Satellites**

Cilden D., Kaymaz Z., Hajiyev C.

7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.707-711

- LXXXVII. **Attitude and Attitude Rate Estimation for a Nanosatellite Using SVD and UKF**

Cilden D., Hajiyev C., Soken H. E.

7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.695-700

- LXXXVIII. **Performance Analysis of GPS Based Orbit Determination via Numerical Methods for a LEO Satellite**

Bagci M., Hacizade C.

7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.731-735

- LXXXIX. **Unscented Kalman Filter based two stage estimation of spacecraft position and velocity with single station antenna tracking data**

HACIZADE C., Ata M.

2015 7th International Conference on Recent Advances in Space Technologies (RAST), Istanbul, Turkey, 16 - 19 June 2015

- XC. **Integration of Algebraic Method and EKF for Attitude Determination of Small Information Satellites**

HACIZADE C., Conguroglu E. S.

7th International Conference on Recent Advances in Space Technologies, 16 - 19 June 2015, pp.719-724

- XCI. **Reconfigurable control of an UAV against sensor/actuator failures**

Çalışkan F., hajiyev C.

1st IFAC Workshop on Advanced Control and Navigation for Autonomous Aerospace Vehicles, ACNAAV 2015, Sevilla, Spain, 10 - 12 June 2015, vol.28, pp.7-12

- XCII. **Integrated SVD EKF for Small Satellite Attitude Determination and Rate Gyro Bias Estimation**

HACIZADE C., ÇILDEN D., SOMOV Y.

2015 IFAC Workshop on Advanced Control and Navigation for Autonomous Aerospace Vehicles, Sevilla, Spain, 10 - 12 June 2015

- XCIII. **Attitude Guidance Navigation and Control of Land survey Mini satellites**

Somov Y., Butyrin S., Somov S., HACIZADE C.

2015 IFAC Workshop on Advanced Control and Navigation for Autonomous Aerospace Vehicles, Spain, 10 - 12 June 2015, pp.222-227

- XCIV. Fault Detection Isolation and Accommodation in Flight Control System of A340 Airbus Aircraft**
Balague G. T., HACIZADE C.
International Symposium on Sustainable Aviation, 31 May - 03 June 2015, pp.44-47
- XCV. Robust Estimation of F 16 Fighter Dynamics in Presence of Sensor Faults**
Burcet J. C., HACIZADE C.
The First International Symposium on Sustainable Aviation, 31 May - 03 June 2015, pp.40-43
- XCVI. Gyroless Attitude and Rate Estimation of Small Satellites Using Singular Value Decomposition and Extended Kalman Filter**
Hajiyev C., Cilden D., Somov Y.
16th International Carpathian Control Conference (ICCC), Miskolc, Hungary, 27 - 30 May 2015, pp.159-164
- XCVII. Guidance and Precise Motion Control of Free-flying Robots and Land-survey Mini-satellites**
Somov Y., Sukhanov V., Hacizade C.
13th International Conference on Control Automation Robotics & Vision (ICARCV), Singapore, Singapore, 10 - 12 December 2014, pp.1092-1097
- XCVIII. KÜÇÜK UYDULARDA İKİLİ VE ÜÇLÜ VEKTÖR GÖZLEMLERİ İLE YÖNELİMİN BELİRLENMESİ**
ÇİLDEN D., HACIZADE C.
V. ULUSAL HAVACILIK VE UZAY KONFERANSI, Kayseri, Turkey, 8 - 10 September 2014
- XCIX. Simultaneous adaptation of the process and measurement noise covariances for the UKF applied to nanosatellite attitude estimation**
Soken H. E., HACIZADE C., Sakai S.
19th World Congress The International Federation of Automatic Control, 24 August 2014
- C. Signal Processing and Calibration of Low-cost Strap-down Inertial Navigation System for Land-survey Mini-satellite**
Somov Y., Butyrin S., Hajiyev C.
10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA), Narvik, Norway, 15 - 18 July 2014, vol.1637, pp.1028-1037
- CI. In-Flight Detection and Identification and Accommodation of Aircraft Icing**
Çalışkan F., Hajiyev C.
9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, Vienna, Austria, 10 - 14 July 2012, vol.1493, pp.200-206
- CII. Yersabit Yörünge Uydusunun Tek Anten Ölçüm Verisi ile Yörüngesinin Belirlenmesinin Hata Analizi**
HACIZADE C., Ata M.
Ulusal Havacılık ve Uzay Konferansı (UHUK-2012), Turkey, 12 - 14 July 2012
- CIII. İHA Hava Verileri Sisteminde Arıza Tespiti Ayıklanması ve Tümüleştirilmiş Süzme**
HACIZADE C., Vural S. Y.
Ulusal Havacılık ve Uzay Konferansı (UHUK-2012), Turkey, 12 - 14 July 2012
- CIV. In flight detection and identification and accommodation of aircraft icing**
Caliskan F., HACIZADE C.
9TH INTERNATIONAL AIP CONFERENCE, Austria, 10 July 2012
- CV. A novel adaptive unscented Kalman filter for pico satellite attitude estimation**
Soken H. E., HACIZADE C.
PHYSICON, 2011, 5 - 08 September 2011
- CVI. ITU-pSAT II: High-precision nanosatellite ADCS development project**
Koyuncu E., Baskaya E., Cihan M., Isiksal S., Fidanoglu M., Akay C., Cetin A., Karadag B., Kaya Y., Karyot B., et al.
5th International Conference on Recent Advances in Space Technologies, RAST 2011, İstanbul, Turkey, 9 - 11 June 2011, pp.500-505
- CVII. Reconfigurable UKF for In Flight Magnetometer Calibration and Attitude Parameter Estimation**
Soken H. E., HACIZADE C.
18th IFAC World Congress, Italy, 28 August - 02 September 2011, pp.741-746
- CVIII. Smart Reconfigurable Fault Tolerant Flight Control Against Actuator Failures**
HACIZADE C.

18th IFAC World Congress, 28 August - 02 September 2011, pp.3009-3014

- CIX. **In flight magnetometer calibration via unscented Kalman filter**
Soken H. E., HACIZADE C.
Proceedings of 5th International Conference on Recent Advances in Space Technologies - RAST2011, Istanbul, Turkey, 9 - 11 June 2011
- CX. **REKF and RUKF Development for Pico Satellite Attitude Estimation in the Presence of Measurement Faults**
Soken H. E., HACIZADE C.
5th International Conference on Recent Advances in Space Technologies, 9 - 11 June 2011, pp.891-896
- CXI. **Development of Autonomous Underwater Vehicle Navigation System Based on Kalman Filtering Technique**
Dinç M., HACIZADE C.
18th St.Petersburg International Conference on Integrated Navigation Systems (ICINS- 2011), 30 May - 01 June 2011, pp.238-242
- CXII. **Development of Integrated INS GPS Navigation System for Unmanned Air Vehicle Based on Kalman Filtering Technique**
Dinc M., Anlı E., HACIZADE C., Ozkol I.
5th International Conference on Recent Advances in Space Technologies, 9 - 11 June 2011
- CXIII. **Nonlinear Robust Adaptive EKF for Identification of EMAs Parameters in the Presence of Sensor Faults**
HACIZADE C.
5th International Scientific Conference on Physics and Control (PhysCon 2011), Spain, 5 - 08 September 2011
- CXIV. **Observer Based Fault Diagnosis in Thrusters of Autonomous Underwater Vehicle**
Shumsky A., Zhirabok A., Hajiyev C.
Conference on Control and Fault-Tolerant Systems (SysTol), Nice, France, 6 - 08 October 2010, pp.11-16
- CXV. **Manyetometre Ölçümlerine Göre Küçük Uydu Yönelim Dinamiğinin Genişletilmiş Kalman Süzgeci Temelli Kestirimi İTÜpSAT II Projesi**
Başkaya E., HACIZADE C., İnalanhan G.
III. Ulusal Havacılık ve Uzay Konferansı (UHUK-2010), 16 - 18 September 2010
- CXVI. **Adaptive Robust Estimation of the Electro Mechanical Actuator Parameters in the Presence of Sensor Faults**
HACIZADE C., Hajiyeva U.
Sixth International Conference on Technical and Physical Problems of Power Engineering (ICTPE-2010), 14 - 16 September 2010, pp.122-126
- CXVII. **Sensor Fault Detection by Testing the Largest Eigenvalue of the Innovation Covariance Using Tracy Widom Distribution**
HACIZADE C.
2010 American Control Conference, 30 June - 02 July 2010, pp.5427-5432
- CXVIII. **LQR Controller With Kalman Estimator Applied To UAV Longitudinal Dynamics**
Vural S. Y., HACIZADE C.
International Workshop on Unmanned Vehicles -UVW2010, 10 - 12 June 2010, pp.162-166
- CXIX. **Development of Autonomous Underwater Vehicle Navigation System Based on Kalman Filtering Technique**
Dinc M., HACIZADE C.
International Workshop on Unmanned Vehicles -UVW2010, 10 - 12 June 2010
- CXX. **An Adaptive Sensor Fusion Method Applied to UAV Dynamics**
Soken H. E., HACIZADE C.
International Workshop on Unmanned Vehicles -UVW2010, 10 - 12 June 2010, pp.57-62
- CXXI. **UKF Based In Flight Calibration of Magnetometers and Rate Gyros for Pico Satellite Attitude Determination**
Soken H. E., HACIZADE C.

17th Saint Petersburg International Conference On Integrated Navigation Systems, Russia, 31 May - 02 June 2010, pp.233-240

- CXXII. **Attitude Determination and Control of Future Small Satellites**
Soken H. E., Aslan R., HACIZADE C.
NATO Workshop AVT-171 "Multifunctional Structures and System Technologies for Small Spacecraft", 12 - 15 April 2010
- CXXIII. **Design and Comparison of Controllers for the Lateral Motion of Autonomus UAV**
Vural S. Y., HACIZADE C.
International Symposium on Engineering and Architectural Sciences of Balkan, Caucasus and Turkic Republics, 22 - 24 October 2009, pp.136-141
- CXXIV. **Adaptive Fading Kalman Filters with UAV Flight Control System Applications**
HACIZADE C., Soken H. E.
International Symposium on Engineering and Architectural Sciences of Balkan, Caucasus and Turkic Republics, 22 - 24 October 2009, pp.58-64
- CXXV. **An adaptive unscented Kalman filter applied for the identification of attitude dynamics parameters of a pico satellite**
Soken H. E., HACIZADE C.
6th IFAC Int. Workshop Knowledge Technol. Transfer Developing Countries: Automation and Infrastructure-DECOM-09, Macedonia, 26 - 29 September 2009, pp.335-340
- CXXVI. **Design and Comparison of Controllers for the Longitudinal Motion of the UAV**
Vural S. Y., HACIZADE C.
5th Ankara International Aerospace Conference, 17 - 19 August 2009
- CXXVII. **Adaptive Kalman Filter with Multiple Fading Factors for UAV State Estimation**
HACIZADE C., Soken H. E.
7th IFAC International Symposium oh Fault Detection, Supervision and Safety of Technical Processes (SAFEPROCESS-2009), 30 June - 03 July 2009, pp.77-82
- CXXVIII. **Adaptive Kalman Filter with the Filter Gain Correction Applied to UAV Flight Dynamics**
HACIZADE C., Soken H. E.
17th Mediterranean Conference on Control and Automation. Thessaloniki, Greece, 24 - 26 June 2009
- CXXIX. **Adaptive Kalman Filter with the Filter Gain Correction Applied to UAV Flight Dynamics**
HACIZADE C., Soken H. E.
17th Mediterranean Conference on Control and Automation, 24 - 26 June 2009
- CXXX. **UKF for the Identification of the Pico Satellite Attitude Dynamics Parameters and the External Torques on IMU and Magnetometer Measurements**
Soken H. E., Hajiyev C.
4th International Conference on Recent Advances in Space Technologies, İstanbul, Turkey, 11 - 13 June 2009, pp.547-552
- CXXXI. **Adaptive Unscented Kalman Filter with Multiple Fading Factors for Pico Satellite Attitude Estimation**
Soken H. E., Hajiyev C.
4th International Conference on Recent Advances in Space Technologies, İstanbul, Turkey, 11 - 13 June 2009, pp.541-546
- CXXXII. **UKF for the Identification of the Pico Satellite Attitude Dynamics Parameters and the ExternalTorques on IMU and Magnetometer Measurements**
Soken H. E., HACIZADE C.
4th International Conference on Recent Advances in Space Technologies (RAST 2009), 11 - 13 June 2009, pp.547-552
- CXXXIII. **Testing the covariance matrix of the innovation sequence in application to aircraft sensor fault det**
Hajiyev C.
17th World Congress, International Federation of Automatic Control, IFAC, Seoul, South Korea, 6 - 11 July 2008, vol.17
- CXXXIV. **İTÜ- PSAT I: Istanbul technical university student pico-satellite program**

Kurtuluş C., Baltacı T., Ulusoy M., Aydın B. T., Tutkun B., İnalan G., Çetiner-Yıldırım N. L. O., Karyot T. B., Yarım C., Edis F. O., et al.

3rd International Conference on Recent Advances in Space Technologies, RAST 2007, İstanbul, Turkey, 14 - 16 June 2007, pp.725-732

CXXXV. Attitude Determination and Rotational Motion Parameters Identification of a LEO Satellite Through Magnetometer and Sun Sensor Data

Kutlu A., HACIZADE C., TEKİNALP O.

2007 3rd International Conference on Recent Advances in Space Technologies, Istanbul, Turkey, 14 - 16 June 2007

CXXXVI. Modification of a low-cost gps receiver and improvement of position data

Mutlu T., Hacıyev C.

3rd International Conference on Recent Advances in Space Technologies, İstanbul, Turkey, 14 - 16 June 2007, pp.630-631

CXXXVII. Kalman filter innovation sequence based fault detection in LEO satellite attitude determination and control system

Okatan A., Hacıyev C., Hacıyeva U.

3rd International Conference on Recent Advances in Space Technologies, İstanbul, Turkey, 14 - 16 June 2007, pp.411-412

CXXXVIII. ITU pSAT I Istanbul Technical University Student Pico Satellite Program

KURTULUS C., BALTACI T., ULUSOY M., AYDIN B. T., TUTKUN B., İNALHAN G., ÇETİNER YILDIRIM N. L. O., KARYOT T. B., YARIM C., EDİS F. O., et al.

Recent Advances in Space Technologies, 2007, 14 - 16 June 2007

CXXXIX. Aircraft icing detection identification and reconfigurable control based on Kalman filtering and neural networks

AYKAN R., HACIZADE C., ÇALIŞKAN F.

AIAA Atmospheric Flight Mechanics Conference and Exhibit 2005, San-Francisco, Costa Rica, 15 - 17 August 2005

CXL. Development of GPS Aided INS via Federated Kalman Filter

HACIZADE C., Tutucu A.

Recent Advances in Space Technologies, 20 - 22 November 2003

CXLI. EKF based surface fault detection and reconfiguration in aircraft control systems

ÇALIŞKAN F., HACIZADE C.

American Control Conference, 28 - 30 June 2000

CXLII. EKF based surface fault detection and reconfiguration in aircraft control systems

Caliskan F., Hacıyev C.

2000 American Control Conference (ACC 2000), Illinois, United States Of America, 28 - 30 June 2000, pp.1220-1224

CXLIII. Aircraft sensor fault diagnosis based on kalman filter innovation sequence

Caliskan F., HACIZADE C.

37th IEEE Conference on Decision and Control, United States Of America, 18 December 1998

CXLIV. Aircraft sensor fault diagnosis based on Kalman filter innovation sequence

ÇALIŞKAN F., HACIZADE C.

37th IEEE Conference on Decision and Control, 16 - 18 December 1998

CXLV. Fault Detection in Flight Control Systems via Innovation Sequence of Kalman Filter

HACIZADE C., Caliskan F.

UKACC International Conference on CONTROL'98, 1 - 04 September 1998, vol.455, pp.1528-1533

CXLVI. Fault detection in flight control systems via innovation sequence of Kalman filter

Hacıyev C., Caliskan F.

UKACC International Conference on Control 98, Swansea, United Kingdom, 1 - 04 September 1998, pp.1528-1533

Supported Projects

Hacızade C., Project Supported by Higher Education Institutions, Eyleyici Arızalarına Karşı İnsansız Hava Aracının Yeniden Şekillendirilebilir Arıza Toleranslı Uçuş Kontrolü, 2016 - 2018

Hacızade C., Project Supported by Higher Education Institutions, Ölçüm Farkı Yaklaşımına Dayalı Kalman Süzgeci ve Ataletsel Seyrüsefer Sistemine Uygulanması, 2016 - 2018

Hacızade C., Project Supported by Higher Education Institutions, İNOVASYON KOVARYANSIN GENELLEŞTİRİLMİŞ VARYANSININ TEST DEİLMESİNE DAYALI SENSOR ARIZA TESPİTİ, 2015 - 2018

Hacızade C., Project Supported by Higher Education Institutions, Nanouydu Yönelim Kestirimine Uygulanan UKF için Süreç ve ölçüm Bozuntu Kovaryanslarının Eşzamanlı Adaptasyonu, 2014 - 2018

Hacızade C., Project Supported by Higher Education Institutions, Tek Anten İstasyonu İzleme Verilerine Göre Uzak Aracının Konumunun ve Hızının İki Aşamalı Kestirimi, 2013 - 2018

Hacızade C., Project Supported by Higher Education Institutions, Genelleştirilmiş Rayleigh Quotient'i Tabanlı Sensör/Eyleyici Arıza Tespiti, 2012 - 2018

Hacızade C., Project Supported by Higher Education Institutions, ÖZEL KESİRLİ KONSANTRİK SARGILI DEĞİŞİK DİŞ KALINLIKLI FIRÇASIZ DOĞRU AKIM MOTORUNUN TASARIMI ANALİZİ VE UYGULANMASI, 2011 - 2018

Hacızade C., Project Supported by Higher Education Institutions, Eyleyici Arızalarına Karşı Çevik Yeniden Şekillenebilir Arıza Toleranslı Uçuş Kontrolü, 2011 - 2018

Hacızade C., Project Supported by Higher Education Institutions, TAŞIT VE YENİLENEBİLİR ENERJİ DEPOLAMA AKÜLERİNİN AKTİF ÖMÜRLERİNİN UZATILMASI VE ÇEVRESEL ZARARLARININ EN AZA İNDİLMESİ, 2010 - 2018

Hacızade C., Project Supported by Higher Education Institutions, TRACY-WİDOM DAĞILIMI İLE İNNOVASYON KOVARYANSININ EN BÜYÜK ÖZ DEĞERİNİN TEST EDİLEMSİNE DAYALI SENSÖR ARIZA TEŞHİSİ, 2010 - 2018

Hacızade C., Project Supported by Higher Education Institutions, İHA Durum Kestirimi için Çoğul Zayıflatıcı Faktörlü Uyarlamalı Kalman Süzgeci, 2009 - 2018

Hacızade C., Project Supported by Higher Education Institutions, Uçak Sensör Arıza Teşhisine Uygulamalı Olarak İnnovasyon Sürecin Kovaryans Matrisinin Test Edilmesi, 2008 - 2018

Hacızade C., Project Supported by Higher Education Institutions, Regresyon Vektör Hatası Göz Önüne Alınarak Doğrusal Regresyon Modelinin Tahmini için Kalman Süzgeci ve Ölçme Cihazlarının Kalibrasyonuna Uygulanması, 2007 - 2018

Hacızade C., Project Supported by Higher Education Institutions, Tümüleştirilmiş ANS/Radar Altimetresine Uygulamalı Filtre Kazancı Düzeltile Adaptif Filtreleme Algoritması, 2006 - 2018

Hacızade C., TÜBİTAK International Bilateral Joint Cooperation Program Project, Küçük Enformasyon Uydularının Tümüleştirilmiş Yönelme Belirleme Sistemleri Yörüngede Sensor Kalibrasyonu Uzun Süreli GÜDÜM ve Arıza Toleranslı Yönelme Kontrolü için Yöntemler ve Algoritmalar Geliştirilmesi, 2014 - 2016

Hacızade C., Project Supported by Higher Education Institutions, Sistem Tanılama ve Tümüleşik Seyrüsefer Yöntemleri ile Rotorlu İHA nın Otonom Uçuş Kontrol Sisteminin Geliştirilmesi, 2011 - 2016

Hacızade C., Project Supported by Higher Education Institutions, İTÜ GÜNEŞ ARABASI TAHRİK SİSTEMİ GELİŞTİRLMESİ, 2009 - 2010

Hacızade C., Project Supported by Higher Education Institutions, Bir Piko Uydunun Yönelme Belirleme ve Kontrol Sisteminin Adaptif Kalman Sözgeci Temelinde Geliştirilmesi, 2009 - 2010

Metrics

Publication: 355

Citation (WoS): 844

Citation (Scopus): 1604

H-Index (WoS): 16

H-Index (Scopus): 21

Invited Talks

International Symposium on Electric Aircraft and Autonomous Systems, Conference, Institute of Aviation, Warsaw

University of Technology and Air Force Institute of Technology, Poland, July 2023

International Symposium on Unmanned Systems: AI, Design and Efficiency, Conference, KTH Royal Institute of Technology, Sweden, June 2023

International Symposium on Sustainable Aviation, Conference, RMIT University, Australia, August 2022

International Symposium on Electric Aviation and Autonomous Systems, Conference, University of Maribor, Slovenia, July 2022

International Symposium on Electric Aircraft and Autonomous System 2021, Conference, Eskişehir Teknik Üniversitesi, Turkey, December 2021

Mathematical Models in Engineering and Systems, Conference, WSEAS, Portugal, April 2019

Aeronautical and Mechanical Engineering, Conference, WSEAS, Italy, December 2017

Sürdürülebilir Havacılık Araştırmaları, Workshop, GEBZE TEKNİK ÜNİVERSİTESİ, Turkey, April 2017

16th International Conference on Robotics, Control and Manufacturing Technology, Conference, WSEAS, Czech Republic, March 2016