

## **Prof.Dr. Cengiz Hacızade**

### **Kişisel Bilgiler**

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

ScopusID: 56395481600

Yoksis Araştırmacı ID: 51635

### **Eğitim Bilgileri**

Doktora, Azerbaycan Devlet Neft Akademisi, Kontrol Mühendisliği, Azerbaycan 1983 - 1986

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

### **Yabancı Diller**

Rusça

### **Yaptığı Tezler**

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

### **Araştırma Alanları**

Teknik Bilimler, Havacılık ve Uzay Mühendisliği

### **Akademik Unvanlar / Görevler**

Prof.Dr., İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 1996 - Devam Ediyor

### **Verdiği Dersler**

Aviyonik Navigasyon Sistemleri, Yüksek Lisans, 2023 - 2024

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

- 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, cilt.33, sa.17, ss.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, cilt.23, sa.22, ss.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, cilt.72, sa.7, ss.2733-2740, 2023 (SCI-Expanded)
- IV. Fault-tolerant state estimation methods of cluster satellites  
Yunus Erkec T., Hajiyev C.  
Advances in Space Research, cilt.71, sa.9, ss.3868-3882, 2023 (SCI-Expanded)
- V. An innovation-based actuator/surface fault detection, isolation and filter tuning  
Hajiyev C.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, cilt.95, sa.3, ss.464-473, 2023 (SCI-Expanded)
- VI. Attitude and gyro bias estimation by SVD-aided EKF  
Hajiyev C., Çilden Güler D.  
MEASUREMENT, cilt.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, cilt.236, sa.3, ss.756-763, 2022 (SCI-Expanded)
- VIII. Formation Flight for Close Satellites With GPS-Based State Estimation Method  
Erkec T. Y., Hacizade C.  
IEEE SENSORS JOURNAL, cilt.22, sa.15, ss.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, cilt.22, sa.13, ss.13544-13551, 2022 (SCI-Expanded)
- X. INS's Error Compensation via Measurement Differencing Kalman Filter  
Hacizade C.  
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, cilt.71, 2022 (SCI-Expanded)
- XI. NANOSATELLITE ATTITUDE ESTIMATION IN SUN AND ECLIPSE PERIODS WITHOUT GYROSCOPES  
Hajiyev C., Çilden Güler D.  
APPLIED AND COMPUTATIONAL MATHEMATICS, cilt.21, sa.3, ss.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, cilt.68, sa.9, ss.3875-3890, 2021 (SCI-Expanded)
- XIII. Geomagnetic disturbance effects on satellite attitude estimation  
Çilden Güler D., Kaymaz Z., Hajiyev C.  
ACTA ASTRONAUTICA, cilt.180, ss.701-712, 2021 (SCI-Expanded)
- XIV. Integration of barometric and GPS altimeters via adaptive data fusion algorithm  
Hajiyev C., Hacizade U., Çilden Güler D.  
INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, cilt.35, sa.1, ss.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, cilt.58, sa.1, ss.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., Hacizade U.

- MEASUREMENT SCIENCE REVIEW, cilt.20, sa.1, ss.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, cilt.32, sa.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, cilt.92, ss.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, cilt.21, sa.4, ss.1423-1432, 2019 (SCI-Expanded)
- XX. **ROBUST KALMAN FILTER-BASED FAULT-TOLERANT INTEGRATED BARO-INERTIAL-GPS ALTIMETER**  
Contreras A. M., Hacizade C.  
METROLOGY AND MEASUREMENT SYSTEMS, cilt.26, sa.4, ss.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, cilt.61, sa.1, ss.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, cilt.90, sa.5, ss.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, cilt.24, sa.2, ss.313-324, 2017 (SCI-Expanded)
- XXIV. **Review on gyroless attitude determination methods for small satellites**  
Hajiyev C., Cilden Guler D.  
PROGRESS IN AEROSPACE SCIENCES, cilt.90, ss.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, cilt.24, sa.1, ss.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.  
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- XXVII. **Active Fault-Tolerant Control of UAV Dynamics against Sensor-Actuator Failures**  
Çalışkan F., HAJIYEV C.  
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- XXVIII. **Sensor Calibration Design Based on D Optimality Criterion**  
HACIZADE C.  
Metrology and Measurement Systems, cilt.23, sa.3, ss.413-424, 2016 (SCI-Expanded)
- XXIX. **Orbital Calibration of Microsatellite Magnetometers Using a Linear Kalman Filter**  
Hajiyev C.  
MEASUREMENT TECHNIQUES, cilt.58, sa.9, ss.1037-1043, 2015 (SCI-Expanded)
- XXX. **Single Station Antenna-Based Spacecraft Orbit Determination via Robust EKF against the Effect of Measurement Matrix Singularity**  
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JOURNAL OF AEROSPACE ENGINEERING, cilt.28, sa.1, 2015 (SCI-Expanded)
- XXXI. **Integration of navigation systems for autonomous underwater vehicles**  
Dinc M., Hajiyev C.  
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- 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, cilt.25, sa.2, ss.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, cilt.20, sa.2, ss.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, cilt.28, sa.2, ss.107-120, 2014 (SCI-Expanded)
- XXXV. **Generalized Rayleigh quotient based innovation covariance testing applied to sensor/actuator fault detection**  
Hajiyev C.  
MEASUREMENT, cilt.47, ss.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.  
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- XXXVII. **Two-stage Kalman filter-based actuator/surface fault identification and reconfigurable control applied to F-16 fighter dynamics**  
Hajiyev C.  
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- XXXVIII. **Adaptive Fading UKF with Q-Adaptation: Application to Picosatellite Attitude Estimation**  
Soken H. E., HAJIYEV C.  
JOURNAL OF AEROSPACE ENGINEERING, cilt.26, sa.3, ss.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, cilt.60, ss.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, cilt.28, sa.1, ss.376-383, 2013 (SCI-Expanded)
- XLI. **Identification of Orbital Measurements**  
Hacizade C.  
Measurement Techniques, cilt.55, sa.11, ss.1234-1239, 2013 (SCI-Expanded)
- XLII. **Identification of orbital measurements of spacecraft**  
Hajiyev C.  
MEASUREMENT TECHNIQUES, cilt.55, sa.11, ss.1234-1239, 2013 (SCI-Expanded)
- XLIII. **UKF-Based Reconfigurable Attitude Parameters Estimation and Magnetometer Calibration**  
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- 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, cilt.14, sa.3, ss.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, cilt.17, sa.1, ss.40-49, 2012 (SCI-Expanded)
- XLVI. **Tracy-Widom distribution based fault detection approach: Application to aircraft sensor/actuator fault detection**

- Hajiyev C.  
ISA TRANSACTIONS, cilt.51, sa.1, ss.189-197, 2012 (SCI-Expanded)
- XLVII. Robust Estimation of UAV Dynamics in the Presence of Measurement Faults**  
Hajiyev C., SOKEN H. E.  
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- XLVIII. Innovation based two-interval overlap test for failure prediction in measurement systems**  
Hajiyev C.  
MEASUREMENT, cilt.44, sa.9, ss.1543-1550, 2011 (SCI-Expanded)
- XLIX. GNSS SIGNALS PROCESSING VIA LINEAR AND EXTENDED KALMAN FILTERS**  
Hajiyev C.  
ASIAN JOURNAL OF CONTROL, cilt.13, sa.2, ss.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, cilt.24, sa.9, ss.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, cilt.49, sa.3, ss.249-256, 2010 (SCI-Expanded)
- LII. Determination of optimum measurement points via A-optimality criterion for the calibration of measurement apparatus**  
Hajiyev C.  
MEASUREMENT, cilt.43, sa.4, ss.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, cilt.63, sa.9, ss.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, cilt.21, sa.2, ss.51-60, 2008 (SCI-Expanded)
- LV. Fuzzy logic-based automated engine health monitoring for commercial aircraft**  
Demirci S., HACIYEV C., SCHWENKE A.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, cilt.80, sa.5, ss.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, cilt.51, sa.1, ss.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, cilt.221, ss.847-855, 2007 (SCI-Expanded)
- LVIII. Innovation approach based measurement error self-correction in dynamic systems**  
Hajiyev C.  
MEASUREMENT, cilt.39, sa.7, ss.585-593, 2006 (SCI-Expanded)
- LIX. A Sequential Method of Calibrating Measurement Instruments with a Kalman filter**  
Hacizade C.  
MEASUREMENT TECHNIQUES, cilt.49, sa.4, ss.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, cilt.77, sa.1, ss.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, cilt.77, sa.2, ss.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, cilt.76, sa.2, ss.185-192, 2004 (SCI-Expanded)
- LXIII. **Attitude Determination and Control System Design of the ITU UUBF LEO1 Satellite**  
Hacizade C.  
ACTA ASTRONAUTICA, cilt.52, ss.493-499, 2003 (SCI-Expanded)
- LXIV. **An Approach to Improve the Offshore Platform Coordinates Accuracy by Using Multichannel Kalman Filtering**  
Hacizade C.  
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- LXV. **An approach to improve the offshore platform coordinates accuracy by using multichannel Kalman filtering**  
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ISA TRANSACTIONS, cilt.42, sa.1, ss.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, cilt.74, sa.2, ss.147-153, 2002 (SCI-Expanded)
- LXVII. **Integrated sensor/actuator FDI and reconfigurable control for fault-tolerant flight control system design**  
Hacizade C., Çalışkan F.  
AERONAUTICAL JOURNAL, cilt.105, sa.1051, ss.525-533, 2001 (SCI-Expanded)
- LXVIII. **Optimization of the allowed drilling area in the operation of offshore platforms**  
Hacizade C.  
MEASUREMENT TECHNIQUES, cilt.44, sa.6, ss.590-593, 2001 (SCI-Expanded)
- LXIX. **Integrated sensor actuator FDI and reconfigurable control for fault tolerant flight control system design**  
Hacizade C.  
The Aeronautical Journal, cilt.105, sa.1051, ss.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, cilt.4, sa.6, ss.415-422, 2000 (SCI-Expanded)
- LXXI. **A recurrent algorithm for estimating a linear regression model with account of the regression vector error**  
Hacizade C.  
Industrial Laboratory, cilt.66, sa.7, ss.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, cilt.39, sa.1, ss.47-56, 2000 (SCI-Expanded)
- LXXIII. **A optimal plan for locating extension wells when prospecting for oil deposits**  
Hacizade C.  
MEASUREMENT TECHNIQUES, cilt.43, sa.3, ss.222-228, 2000 (SCI-Expanded)
- LXXIV. **Sensor Fault Detection in Flight Control Systems Based on the Kalman Filter Innovation Sequence**  
Hacizade C.  
IMechE Proceedings , Part I, J.Systems & Control Engineering, cilt.213, ss.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, cilt.213, ss.243-248, 1999 (SCI-Expanded)
- LXXVI. **Distributions of scalar measures of a Wishart random matrix**  
 Hacızade C.  
 Industrial Laboratory, cilt.0, sa.5, ss.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, cilt.39, sa.6, ss.629-632, 1996 (SCI-Expanded)
- LXXVIII. **Multidimensional Dynamical System Mathematical Model Adequacy Operative Verifying**  
 Hacızade C.  
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- LXXIX. **Sequential Method for Verifying Adequacy of Mathematical Models for Multidimensional Dynamical Systems with Biased Measurements**  
 Hacızade C.  
 MEASUREMENT TECHNIQUES, cilt.38, sa.10, ss.1082-1088, 1995 (SCI-Expanded)
- XXX. **Problems in Analyzing Hydrostatic Measurements of the Mass of Petroleum Products by Data Measurement Systems**  
 Hacızade C.  
 MEASUREMENT TECHNIQUES, cilt.37, sa.12, ss.1063-1067, 1994 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Estimation of the Relative States of Satellite Formation Flights Using the Adaptive Extended Kalman Filter**  
 Tuncay Yunus Erkec Y., Chingiz Hajiyev H.  
*Gyroscopy and Navigation*, cilt.14, sa.2, ss.154-165, 2023 (Scopus)
- II. **A Covariance Matching-Based Adaptive Measurement Differencing Kalman Filter for INS's Error Compensation**  
 Hajiyev C., Hacızade U.  
*WSEAS Transactions on Systems and Control*, cilt.18, ss.478-486, 2023 (Scopus)
- III. **TRIAD aided adaptive Kalman filter for fault tolerant attitude estimation of a nanosatellite**  
 Kinatas H., Hajiyev C.  
*International Journal of Sustainable Aviation*, cilt.9, sa.3, ss.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*, cilt.18, ss.128-133, 2022 (Hakemli Dergi)
- V. **GNSS-based position estimation with Kalman filters**  
 Sever M., Hajiyev C.  
*INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION*, cilt.8, sa.3, ss.181-197, 2022 (ESCI)
- VI. **TRIAD-Aided EKF for Satellite Attitude Estimation and Sensor Calibration**  
 Gokcay M. A., Hajiyev C.  
*WSEAS Transactions on Applied and Theoretical Mechanics*, cilt.17, ss.207-214, 2022 (Scopus)
- VII. **QUEST Aided EKF for Attitude and Rate Estimation Using Modified Rodrigues Parameters**  
 Kinatas H., Hajiyev C.  
*WSEAS Transactions on Systems and Control*, cilt.17, ss.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*, cilt.8, sa.4, ss.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, cilt.15, sa.2, ss.74-93, 2022 (Hakemli Dergi)
- X. Comparison of TRIAD+EKF and TRIAD+UKF Algorithms for Nanosatellite Attitude Estimation**  
Gokcay M. A., Hajiyev C.  
WSEAS Transactions on Systems and Control, cilt.17, ss.201-206, 2022 (Scopus)
- XI. Fault-tolerant estimation of satellite orbital states**  
Erkec T. Y., Hajiyev C.  
INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, cilt.7, sa.3, ss.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, cilt.17, ss.75-80, 2021 (Hakemli Dergi)
- XIII. Active fault tolerant flight control for UAV actuator failures**  
Mammadov H., HACIZADE C.  
Mathematics In Engineering, Science And Aerospace, cilt.10, sa.4, ss.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.  
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- XV. SVD-Aided UKF for Estimation of Nanosatellite Rotational Motion Parameters**  
ÇILDEN GÜLER D., Soken H. E., HACIZADE C.  
WSEAS Transactions on Signal Processing, cilt.14, ss.27-35, 2018 (Hakemli Dergi)
- XVI. Fault tolerant control of attitude dynamics of nanosatellites**  
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## **Metrikler**

- Yayın: 355
- Atıf (WoS): 844
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- H-İndeks (Scopus): 21

## **Davetli Konuşmalar**

International Symposium on Electric Aircraft and Autonomous Systems, Konferans, Institute of Aviation, Warsaw University of Technology and Air Force Institute of Technology, Polonya, Temmuz 2023

International Symposium on Unmanned Systems: AI, Design and Efficiency, Konferans, KTH Royal Institute of Technology, İsveç, Haziran 2023

International Symposium on Sustainable Aviation, Konferans, RMIT University, Avustralya, Ağustos 2022

International Symposium on Electric Aviation and Autonomous Systems, Konferans, University of Maribor, Slovenya, Temmuz 2022

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