

Lect. PhD OĞUZ BEKTAŞ

Personal Information

Email: oguz.bektas@medeniyet.edu.tr

Web: <https://c3.ndc.nasa.gov/dashlink/members/569/>

International Researcher IDs

ScholarID: PcnJkRgAAAAJ

Education Information

Doctorate, University of Warwick, Prognostics and Health Management in Aerospace Engineering, United Kingdom 2012 - 2018

Postgraduate, University of London-Queen Mary and Westfield College, Aerospace Engineering, United Kingdom 2011 - 2012

Undergraduate, Erciyes University, AIRCRAFT AIRFRAME-POWERPLANT, Turkey 2005 - 2009

Dissertations

Doctorate, An adaptive data filtering model for remaining useful life estimation, University of Warwick, 2018

Postgraduate, Thermophoretic Motion of Spherical Particles in a Free Molecule Flow Regime via Monte Carlo Method, University of London-Queen Mary and Westfield College, School of Engineering and Materials Science, Aerospace Engineering, 2012

Research Areas

Reliability and Maintenance, Aeronautical and Space Engineering, Aeronautical Engineering

Academic Titles / Tasks

Lecturer PhD, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Mechanical Engineering , 2020 - Continues

Courses

Bilgisayar Programlama, Undergraduate, 2022 - 2023

Yenilikçilik ve Girişimcilik, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- Comparison of Computational Prognostic Methods for Complex Systems Under Dynamic Regimes: A Review of Perspectives**
Bektas O., Marshall J., Jones J. A.

ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING, vol.27, no.4, pp.999-1011, 2020 (Peer-Reviewed Journal)

II. **A neural network filtering approach for similarity-based remaining useful life estimation**

Bektas O., Jones J. A. , Sankararaman S., Roychoudhury I., Goebel K.

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.101, pp.87-103, 2019 (Peer-Reviewed Journal)

Articles Published in Other Journals

I. **Segmentation of Flight Stages: An Unsupervised Learning Model for Aviation Data**

Bektaş O.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.20, no.6, pp.1178-1186, 2020 (Peer-Reviewed Journal)

II. **Kestirimci Bakım İçin Döner Mekanizma Bozulma Eğrisinin Tanımlanması**

Bektaş O.

Avrupa Bilim ve Teknoloji Dergisi, no.19, pp.420-428, 2020 (Peer-Reviewed Journal)

III. **A neural network framework for similarity-based prognostics**

Bektas O., Jones J. A. , Sankararaman S., Roychoudhury I., Goebel K.

METHODSX, vol.6, pp.383-390, 2019 (Peer-Reviewed Journal)

IV. **Reconstructing secondary test database from PHM08 challenge data set**

Bektas O., Jones J. A. , Sankararaman S., Roychoudhury I., Goebel K.

DATA IN BRIEF, vol.21, pp.2464-2469, 2018 (Peer-Reviewed Journal)

V. **Reducing Dimensionality of Multi-regime Data for Failure Prognostics**

Bektas O., Alfudail A., Jones J. A.

JOURNAL OF FAILURE ANALYSIS AND PREVENTION, vol.17, no.6, pp.1268-1275, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Enhancing Signal Features for Degradation Analysis: A Linear Convolution Approach for Accelerated Testing**

Bektaş O.

2nd International Conference on Innovative Academic Studies, Konya, Turkey, 28 - 31 January 2023, pp.1-5

II. **Uçak Itki Takatinin Segmentasyonu**

Bektaş O.

8. ULUSAL HAVACILIK VE UZAY KONFERANSI, Ankara, Turkey, 9 - 11 September 2020, pp.1-8

III. **Çok boyutlu turbofan motoru durum izleme verilerinde prognostik uygulamalarının değerlendirilmesi**

Bektaş O.

7. ULUSAL HAVACILIK ve UZAY KONFERANSI, Samsun, Turkey, 12 - 14 September 2018, pp.1-14

IV. **NARX time series model for remaining useful life estimation of gas turbine engines**

Bektaş O.

Third European Conference of the PHM Society - PHME16, Bilbao, Spain, 5 - 08 July 2016, vol.7, no.28, pp.454-463

V. **NARX Model in Gas Turbine Prognostics**

Bektaş O.

WMG Doctoral Research and Innovation Conference, Coventry, England, 30 June - 01 July 2015, pp.1

VI. **A Degradation Prognostic Framework for Gas Turbine Engines**

Bektaş O., Jones J.

The Twelfth International Conference on Condition Monitoring and Machinery Failure Prevention Technologies, Oxford, England, 9 - 11 June 2015, pp.1-10

VII. A Framework for Performance Metrics of Rotating Machinery Prognostics within Maintenance Free Operation Period

Bektaş O.

WMG Research and Innovation Conference, Coventry, England, 10 - 11 July 2014, pp.1

Metrics

Publication: 14

Citation (WoS): 63

Citation (Scopus): 83

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

National Education Directorate, KADIKÖY İLÇE MİLLÎ EĞİTİM MÜDÜRLÜĞÜ

Other, NASA, AMES Research Center