

Lect. EZGİ ORBAY AKCENGİZ

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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, Turkey 2016
- Continues

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, Turkey
2013 - 2016

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, Turkey
2008 - 2013

Dissertations

Postgraduate, Computational fluid dynamics simulations of ship airwake with a hovering helicopter rotor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2016

Research Areas

Aeronautical and Space Engineering, Flight Sciences, Aircraft System Technologies, Aerodynamics, Mechanism and Hydraulic / Fluid Systems, Engineering and Technology

Books & Book Chapters

I. CFD Simulations for Airfoil Polars

SEZER UZOL N., UZOL O., ORBAY AKCENGİZ E.

in: Handbook of Wind Energy Aerodynamics, Bernhard Stoevesandt, Gerard Schepers, Peter Fuglsang, Sun Yuping, Editor, Springer, pp.206-233, 2021

Refereed Congress / Symposium Publications in Proceedings

I. Investigation of Aerodynamic Characteristics of Twisted Tall Building

ORBAY AKCENGİZ E., SEZER UZOL N.

Uluslararası Katılımlı 23. Isı Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021

II. Rüzgâr Türbini Kanat Kesiti İçin Yüksek Reynolds Sayılarında Çözüm Ağı Bağımsızlık Çalışması

ORBAY AKCENGİZ E., SEZER UZOL N.

6. İzmir Rüzgar Sempozyumu, İzmir, Turkey, 23 - 24 September 2021
- III. **Aerodynamic Analyses of Thick Wind Turbine Airfoils for High Reynolds Numbers**
ORBAY AKCENGİZ E., ASLAN E., SEZER UZOL N.
11th Ankara International Aerospace Conference, Ankara, Turkey, 8 - 10 September 2021
- IV. **CFD Analysis of A Wind Turbine Airfoil at High Reynolds Numbers**
Aslan E., Orbay Akcengiz E., Sezer Uzol N.
2nd SU2 Conference, Virtual Event, 12-14 July 2021. <https://su2foundation.org/su2conference2021/>, 12 - 14 July 2021
- V. **Grid independence study for a thick airfoil: DU00-W-212 at high Reynolds numbers**
ORBAY AKCENGİZ E., SEZER UZOL N.
Wind Energy Science Conference 2021, Hannover, Germany, 25 - 28 May 2021
- VI. **SHIP AIRWAKE INVESTIGATIONS ON SFS2 WITH A HOVERING HELICOPTER ROTOR BY COMPUTATIONAL FLUID DYNAMICS SIMULATIONS**
ORBAY AKCENGİZ E., SEZER UZOL N.
8th Asian/Australian Rotorcraft Forum (ARF2019), Ankara, Turkey, 30 October - 02 November 2019
- VII. **RÜZGAR TÜRBİNİ ROTORLARI İÇİN KALIN KANAT PROFİLLERİNİN HAD SİMÜLASYONLARI**
ORBAY AKCENGİZ E., SEZER UZOL N.
5. İzmir Rüzgar Sempozyumu ve Sergisi, İzmir, Turkey, 3 - 05 October 2019
- VIII. **Investigation of Aerodynamic and Structural Features of Twisted Tall Buildings**
BİLGEN S., AY B. Ö., ORBAY AKCENGİZ E., SEZER UZOL N.
13th Advances in Civil Engineering Congress, İzmir, Turkey, 12 - 14 September 2018
- IX. **Numerical and Experimental Investigation of Aerodynamic Loads for Tall Buildings with Prismatic and Twisted Forms**
Orbay Akcengiz E., Sezer Uzol N., Bilgen S., Ay B. Ö., Ostovan Y.
The International Conference on Wind Energy Harvesting, Coimbra, Portugal, 20 - 21 April 2017
- X. **Computational Fluid Dynamics Simulations of Ship Airwake with a Hovering Helicopter Rotor**
Orbay E., Sezer Uzol N.
ICCFD9 9th International Conference on Computational Fluid Dynamics, Grand Cevahir Otel, Istanbul, Turkey, İstanbul, Turkey, 11 - 15 July 2016

Supported Projects

SEZER UZOL N., ORBAY AKCENGİZ E., ÇİÇEK H., MADENCİ M. A., Project Supported by Higher Education Institutions, Döner Kanat Aerodinamiği ve Hesaplamalı Akışkanlar Dinamiği – Autogyro Tasarım ve Analizleri, 2016 - 2022

Metrics

Publication: 11

H-Index (WoS): 1