

## **Res. Asst. ÖZGÜR YALÇIN**

### **Personal Information**

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### **International Researcher IDs**

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### **Education Information**

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Havacılık Mühendisliği (Dr), Turkey 2015 - Continues

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Havacılık Mühendisliği (YI) (Tezli), Turkey 2012 - 2015

Undergraduate Minor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 2009 - 2014

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, Turkey 2007 - 2012

### **Dissertations**

Postgraduate, Development of a high-order Navier-Stokes solver for aeroacoustic predictions of wind turbine blade sections, Middle East Technical University, Graduate School of Natural and Applied Sciences, Havacılık Mühendisliği (YI) (Tezli), 2015

### **Academic Titles / Tasks**

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2012 - Continues

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- High-order detached eddy simulation of unsteady flow around NREL S826 airfoil**  
YALÇIN Ö., Cengiz K., ÖZYÖRÜK Y.  
JOURNAL OF WIND ENGINEERING AND INDUSTRIAL AERODYNAMICS, vol.179, pp.125-134, 2018 (SCI-Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

- Aerodynamic Performance Analyses of Iced Wind Turbine Blade Profile with Transitional DDES**  
YALÇIN Ö., YIRTICI Ö., ÖZYÖRÜK Y., TUNCER İ. H.

10th Ankara International Aerospace Conference, 18 - 20 September 2019

**II. Boundary Layer Transition Prediction over Wind Turbine Blade Profile through Detached Eddy Simulation**

YALÇIN Ö., ÖZYÖRÜK Y.

31st International Conference on Parallel Computational Fluid Dynamics, 14 - 17 May 2019

**III. Delayed Detached-eddy Simulation around NREL S826 Blade Section for Transition Prediction**

YALÇIN Ö., CENGİZ K., ÖZYÖRÜK Y.

14th EAWE PhD Seminar, BRÜKSEL, Belgium, 18 - 20 September 2018

**IV. Noise prediction of a transonic cavity flow via shear-layer-adapted delayed detached-eddy simulation**

YALÇIN Ö., Cengiz K., ÖZYÖRÜK Y.

AIAA/CEAS Aeroacoustics Conference, 2018, Georgia, United States Of America, 25 - 29 June 2018

**V. Shear-layer-adapted delayed detached-eddy simulation of a transonic open cavity flow**

YALÇIN Ö., Cengiz K., ÖZYÖRÜK Y.

9th Ankara International Aerospace Conference, Ankara, Turkey, 20 - 22 September 2017

**VI. High-order detached eddy simulation of unsteady flow around NREL S826 airfoil**

YALÇIN Ö., Cengiz K., ÖZYÖRÜK Y.

WINERCOST'xx17-The International Conference on Wind Harvesting 2017, 20 - 21 April 2017

**VII. HIGH ORDER NUMERICAL SIMULATIONS FOR AEROACOUSTIC PURPOSES OF WIND TURBINE BLADE SECTIONS**

YALÇIN Ö., ÖZYÖRÜK Y.

ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Turkey, 10 - 12 September 2015

**VIII. AKIŞ KAYNAKLI RÜZGAR TÜRBİNİ GÜRÜLTÜSÜ HESAPLAMALARI İÇİN YÜKSEK MERTEBELİ DURAĞAN OLMAYAN NAVIER STOKES ÇÖZÜCÜSÜNÜN GELİŞTİRİLMESİ**

YALÇIN Ö., ÖZYÖRÜK Y.

ULUSAL HAVACILIK VE UZAY KONFERANSI, Kayseri, Turkey, 8 - 10 September 2014

## Metrics

Publication: 9

Citation (WoS): 9

Citation (Scopus): 12

H-Index (WoS): 1

H-Index (Scopus): 1