

## Prof. Dr. YUSUF ÖZYÖRÜK

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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### Eğitim Bilgileri

Lisans, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Havacılık Ve Uzay Mühendisliği Bölümü, Türkiye  
1984 - 1988

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2005 - Devam  
Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2000 - 2005

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 1998 - 2000

Okutman, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 1997 - 1998

### Yönetilen Tezler

ÖZYÖRÜK Y., Design optimization of an s-shaped subsonic intake using Bayesian approach and Bezier curves, Yüksek  
Lisans, M.ATASOY(Öğrenci), 2022

ÖZYÖRÜK Y., Numerical prediction of aerodynamic stability derivatives of a projectile, Yüksek Lisans, K.YAYLA(Öğrenci),  
2021

ÖZYÖRÜK Y., Delayed detached-eddy simulation based predictions of boundary layer transition and cavity flow noise,  
Doktora, Ö.YALÇIN(Öğrenci), 2021

ÖZYÖRÜK Y., Aerodynamic and aeroacoustic investigation of scissorstail rotor configuration for a utility-class helicopter,

Yüksek Lisans, M.MELİH(Öğrenci), 2021

ÖZYÖRÜK Y., Kömürleşerek aşınan yalıtım malzemelerinin hesaplamalı akışkanlar dinamiği ile eşzamanlı nümerik analizi, Yüksek Lisans, Ç.Ozan.(Öğrenci), 2019

ÖZYÖRÜK Y., Eş merkezli basınçlı girdap enjektörlerin deneysel ve sayısal olarak incelenmesi, Yüksek Lisans, O.Baran(Öğrenci), 2019

ÖZYÖRÜK Y., Transonik hızlardaki açık kavite konfigürasyonlarının türbülanslı akış ve akustik tahmini, Yüksek Lisans, S.Çoşkun(Öğrenci), 2019

ÖZYÖRÜK Y., Use of detached eddy simulation for aerodynamics and aeroacoustics of blade sections, Doktora, K.CENGİZ(Öğrenci), 2018

ÖZYÖRÜK Y., Wind noise prediction of a car model through solutions of Navier-Stokes and Ffowcs Williams & Hawkings equations, Yüksek Lisans, B.GÜMÜŞ(Öğrenci), 2017

ÖZYÖRÜK Y., Navier-Stokes computations of helicopter rotor flow fields, Yüksek Lisans, A.OĞUZ(Öğrenci), 2017

ÖZYÖRÜK Y., Development of a high-order Navier-Stokes solver for aeroacoustic predictions of wind turbine blade sections, Yüksek Lisans, Ö.YALÇIN(Öğrenci), 2015

ÖZYÖRÜK Y., Rüzgar türbini pal kesitleri için aeroakustik tahminler amacıyla yüksek mertebeli bir navier-stokes çözücüsünün geliştirilmesi, Yüksek Lisans, Ö.Yalçın(Öğrenci), 2015

ÖZYÖRÜK Y., Performance prediction of nozzleless solid propellant rocket motors, Yüksek Lisans, A.CAN(Öğrenci), 2015

ÖZYÖRÜK Y., ALEMDAROĞLU H. N., Aerodynamic and three-degree-of-freedom flight mechanics analysis of a slender body of rectangular cross section, Yüksek Lisans, B.TUĞCAN(Öğrenci), 2014

ÖZYÖRÜK Y., AERODYNAMIC HEATING ANALYSIS OF HIGH SPEED MISSILE AND PROJECTILE GEOMETRIES, Yüksek Lisans, E.GÜLAY(Öğrenci), 2012

ÖZYÖRÜK Y., ALEMDAROĞLU H. N., Trajectory computation of small solid particles released and carried by flowfields of helicopters in forward flight, Yüksek Lisans, Y.OKAN(Öğrenci), 2010

ÖZYÖRÜK Y., Development of an iterative method for liquid-propellant combustion chamber instability analysis, Yüksek Lisans, K.CENGİZ(Öğrenci), 2010

ÖZYÖRÜK Y., ULAŞ A., One and two dimensional numerical simulation of deflagration to detonation transition phenomenon in solid energetic materials, Doktora, B.NARİN(Öğrenci), 2010

ÖZYÖRÜK Y., A numerical investigation of helicopter flow fields including thermal effects of exhaust hot gases, Yüksek Lisans, Z.ECE(Öğrenci), 2009

ÖZGEN S., ÖZYÖRÜK Y., Development of forward flight trim and longitudinal dynamic stability codes and their application to a UH-60 helicopter, Yüksek Lisans, S.ÇALIŞKAN(Öğrenci), 2009

ÖZYÖRÜK Y., UNSTEADY FLOW ANALYSIS of a SOLID ROCKET MOTOR THRUST VECTOR CONTROL SYSTEM, Yüksek Lisans, B.MIHCAK(Öğrenci), 2009

ÖZYÖRÜK Y., Experimental and Numerical Investigation of Onset of Combustion Instabilities in a T-burner Resonator, Yüksek Lisans, E.KAPLAN(Öğrenci), 2008

ÖZYÖRÜK Y., Reynolds-averaged Navier-Stokes computations of jet flows emanating from turbofan exhausts, Yüksek Lisans, S.KAYA(Öğrenci), 2008

ÖZYÖRÜK Y., Numerical determination of wave shaper effects in shaped charge jet performance, Yüksek Lisans, O.AYISIT(Öğrenci), 2008

ÖZYÖRÜK Y., Assessment of an iterative approach for solution of frequency domain linearized Euler equations for noise propagation through turbofan jet flows, Yüksek Lisans, İ.EVRİM(Öğrenci), 2007

ÖZYÖRÜK Y., Frequency domain computation of turbofan exhaust noise radiation, Yüksek Lisans, Y.BARAROS(Öğrenci), 2006

ÖZYÖRÜK Y., Conceptual internal design and computational fluid dynamics analysis of a supersonic inlet, Yüksek Lisans, M.ALEMDAROĞLU(Öğrenci), 2005

ÖZYÖRÜK Y., Parallel, Navier-Stokes computation of the flowfield of a hovering helicopter rotor, Yüksek Lisans, M.GEÇGEL(Öğrenci), 2003

ÖZYÖRÜK Y., ALEMDAROĞLU H. N., Aerodynamic analysis of fighter aircraft F-16 with external stores, Yüksek Lisans, H.ERHAN(Öğrenci), 2003

ÖZYÖRÜK Y., Three dimensional aerodynamic analysis of missiles by a panel method, Yüksek Lisans, O.BAŞOĞLU(Öğrenci), 2002

- ÖZYÖRÜK Y., ALEMDAROĞLU H. N., Aerodynamic analysis of a full aircraft configuration using a panel method, Yüksek Lisans, D.FUNDA(Öğrenci), 2002
- ÖZYÖRÜK Y., ALEMDAROĞLU H. N., Euler solutions for a medium range cargo aircraft, Yüksek Lisans, C.BAHAR(Öğrenci), 2001
- ÖZYÖRÜK Y., Numerical simulation of rotary wing flowfields on parallel computers, Yüksek Lisans, E.ALPMAN(Öğrenci), 2001
- ÖZYÖRÜK Y., Frequency-domain simulation of sound propagation in acoustically treated ducts with flow, Yüksek Lisans, A.ŞİRZAI(Öğrenci), 2000

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

- I. **Conjugate Analysis of Silica-Phenolic Charring Ablation Coupled with Interior Ballistics**  
Alanyalioglu C. O., ÖZYÖRÜK Y.  
JOURNAL OF PROPULSION AND POWER, cilt.37, sa.4, ss.528-543, 2021 (SCI-Expanded)
- II. **Experiences with two detached eddy simulation approaches through use of a high-order finite volume solver**  
Cengiz K., ÖZYÖRÜK Y.  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, cilt.92, sa.8, ss.899-921, 2020 (SCI-Expanded)
- III. **Three dimensional axisymmetric sound propagation through a duct with aerosol**  
Arslan E., ÇALIŞKAN M., ÖZYÖRÜK Y.  
JOURNAL OF SOUND AND VIBRATION, cilt.434, ss.261-272, 2018 (SCI-Expanded)
- IV. **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, cilt.179, ss.125-134, 2018 (SCI-Expanded)
- V. **Numerical Analysis of One-Dimensional Sound Propagation Through a Duct Containing Water Droplets**  
Arslan E., ÖZYÖRÜK Y., ÇALIŞKAN M.  
JOURNAL OF COMPUTATIONAL ACOUSTICS, cilt.25, sa.1, 2017 (SCI-Expanded)
- VI. **Two dimensional numerical prediction of deflagration-to-detonation transition in porous energetic materials**  
Narin B., ÖZYÖRÜK Y., ULAŞ A.  
JOURNAL OF HAZARDOUS MATERIALS, cilt.273, ss.44-52, 2014 (SCI-Expanded)
- VII. **Application of frequency-domain linearized Euler solutions to the prediction of aft fan tones and comparison with experimental measurements on model scale turbofan exhaust nozzles**  
ÖZYÖRÜK Y., Tester B. J.  
JOURNAL OF SOUND AND VIBRATION, cilt.330, sa.16, ss.3846-3858, 2011 (SCI-Expanded)
- VIII. **Numerical prediction of aft radiation of turbofan tones through exhaust jets**  
Ozyoruk Y.  
JOURNAL OF SOUND AND VIBRATION, cilt.325, ss.122-144, 2009 (SCI-Expanded)
- IX. **Numerical simulation of fore and aft sound fields of a turbofan**  
Ozyoruk Y., Ahuja V.  
AIAA JOURNAL, cilt.42, sa.10, ss.2028-2034, 2004 (SCI-Expanded)
- X. **Frequency-domain prediction of turbofan noise radiation**  
Ozyoruk Y., Alpman E., Ahuja V., Long L.  
JOURNAL OF SOUND AND VIBRATION, cilt.270, ss.933-950, 2004 (SCI-Expanded)
- XI. **Euler solutions for a medium-range cargo aircraft**  
Bahar C., Alemdaroglu N., Ozyoruk Y., Temel E.  
JOURNAL OF AIRCRAFT, cilt.40, sa.2, ss.393-395, 2003 (SCI-Expanded)
- XII. **Parallel computation of forward radiated noise of ducted fans with acoustic treatment**  
Ozyoruk Y.

- AIAA JOURNAL, cilt.40, sa.3, ss.450-455, 2002 (SCI-Expanded)
- XIII. **Time-domain calculation of sound propagation in lined ducts with sheared flows**  
Ozyoruk Y., Long L.  
AIAA JOURNAL, cilt.38, sa.5, ss.768-773, 2000 (SCI-Expanded)
- XIV. **Time-domain numerical simulation of a flow-impedance tube**  
Ozyoruk Y., Long L., Jones M.  
JOURNAL OF COMPUTATIONAL PHYSICS, cilt.146, sa.1, ss.29-57, 1998 (SCI-Expanded)
- XV. **A time-domain implementation of surface acoustic impedance condition with and without flow**  
Ozyoruk Y., Long L.  
JOURNAL OF COMPUTATIONAL ACOUSTICS, cilt.5, sa.3, ss.277-296, 1997 (SCI-Expanded)
- XVI. **Multigrid acceleration of a high-resolution computational aeroacoustics scheme**  
Ozyoruk Y., Long L.  
AIAA JOURNAL, cilt.35, sa.3, ss.428-433, 1997 (SCI-Expanded)
- XVII. **Computation of sound radiating from engine inlets**  
Ozyoruk Y., Long L.  
AIAA JOURNAL, cilt.34, sa.5, ss.894-901, 1996 (SCI-Expanded)
- XVIII. **A new efficient algorithm for computational aeroacoustics on parallel processors**  
Ozyoruk Y., Long L.  
JOURNAL OF COMPUTATIONAL PHYSICS, cilt.125, sa.1, ss.135-149, 1996 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Reprint of: Assessment of a frequency-domain linearised Euler solver for turbofan aft radiation predictions and comparison with measurements**  
ÖZYÖRÜK Y., Tester B. J.  
Procedia IUTAM, cilt.1, ss.153-162, 2010 (Scopus)
- II. **EXPERIMENTAL STUDY OF A T-BURNER RESONATOR**  
Kaplan E., Yazici B., Ak M. A., ÖZYÖRÜK Y.  
INTERNATIONAL JOURNAL OF ENERGETIC MATERIALS AND CHEMICAL PROPULSION, cilt.8, sa.3, ss.173-182, 2009 (ESCI)
- III. **Numerical analysis of noise radiation from a turbofan exhaust cowl with an extended liner in flight**  
ÖZYÖRÜK Y., Lidoine S.  
14th AIAA/CEAS Aeroacoustics Conference (29th AIAA Aeroacoustics Conference), 2008 (Scopus)
- IV. **Experiences in the practical application of Computational Aeroacoustics**  
Morris P. J., Long L. N., Bangalore A., Chyczewski T., Lockard D. P., Ozyoruk Y.  
American Society of Mechanical Engineers, Fluids Engineering Division (Publication) FED, cilt.238, ss.465-472, 1996 (Scopus)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **EFFECTS OF THE REACTION MECHANISM ON HEAT RELEASE FOR THE PREDICTION OF THERMOACOUSTIC INSTABILITIES IN LIQUID ROCKET ENGINES**  
Öztürkmen M. O., ÖZYÖRÜK Y.  
12th Ankara International Aerospace Conference, Ankara, Türkiye, 13 Eylül 2023
- II. **AERODYNAMIC OPTIMIZATION OF INLET DESIGN FOR HIGH BYPASS RATIO TURBOFAN**  
KAPLAN Y., ÖZYÖRÜK Y.  
12th Ankara International Aerospace Conference, Ankara, Türkiye, 13 Eylül 2023
- III. **NUMERICAL INVESTIGATION OF GENERALIZED K-W TURBULENCE MODEL FOR COMPRESSIBLE DUCT FLOWS**

YAHŞI Ö. F., Yılmaz M. H., ÖZYÖRÜK Y., Günaydınhoğlu E.

12th Ankara International Aerospace Conference, Ankara, Türkiye, 13 Eylül 2023

- IV. **Stability Characteristics of a Single Injector Combustor through Acoustic Solutions with Large Eddy Simulated Heat Sources**  
Öztürkmen M. O., ÖZYÖRÜK Y.  
10th European Conference for Aerospace Sciences, Lozan, İsviçre, 09 Temmuz 2023
- V. **Numerical Optimization of High Convoluted Serpentine Air Inlet Duct Using Response Surface Methodology**  
YAHŞI Ö. F., Yılmaz M. H., Günaydınhoğlu E., ÖZYÖRÜK Y.  
AIAA Aviation Forum 2023, San Diego, Amerika Birleşik Devletleri, 12 Haziran 2023
- VI. **Investigation of a Solution Approach to Quadratic Eigenvalue Problem for Thermoacoustic Instabilities**  
Öztürkmen M. O., ÖZYÖRÜK Y.  
AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, California, Amerika Birleşik Devletleri, 3 - 07 Ocak 2022
- VII. **Transitional DDES Study over a Circular Cylinder and an Airfoil**  
YALÇIN Ö., Cengiz K., Wein L., ÖZYÖRÜK Y., Seume J.  
13th International ERCOFTAC Symposium, Rhodes, Yunanistan, 15 Eylül 2021
- VIII. **PREDICTION OF LINEAR COMBUSTION INSTABILITIES IN ROCKET ENGINES,**  
Öztürkmen M. O., ÖZYÖRÜK Y.  
12th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Türkiye, 1 - 03 Eylül 2021
- IX. **Delayed Detached-Eddy Simulations of Transonic Cavity Noise**  
YALÇIN Ö., ÖZYÖRÜK Y.  
AIAA AVIATION FORUM 2021 - AEROACOUSTICS, Amerika Birleşik Devletleri, 02 Ağustos 2021
- X. **Main Rotor - Tail Rotor Interactional Noise**  
Atalay M. M., Şenipek M., Yücekayalı A., ÖZYÖRÜK Y.  
8th Asian/Australian Rotorcraft Forum, 30 Ekim - 02 Kasım 2019
- XI. **Investigation of Air Core Characteristics of a Pressure Swirl Injector Using Two Different Volume of Fluid Methods**  
Öztürkmen M. O., ÖZYÖRÜK Y.  
ECCOMAS MSF 2019 4th International Conference on Multi-Scale Computational Methods for Solids and Fluids, Bosnia-Herzegovina, 18 - 20 Eylül 2019
- XII. **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 Eylül 2019
- XIII. **Unsteady Reynolds-Averaged Navier-Stokes and Detached Eddy Simulations of Transonic Cavity Flows**  
Coşkun S., ÖZYÖRÜK Y.  
10th Ankara International Aerospace Conference, 18 - 20 Eylül 2019
- XIV. **Comprehensive Rotorcraft Aeroacoustics: Investigation of Surface Pressure Distribution Methods for Rotor Noise**  
Şenipek M., Yücekayalı A., Ortakaya Y., ÖZYÖRÜK Y.  
45th European Rotorcraft Forum, 17 - 20 Eylül 2019
- XV. **Prediction of Rocket Jet Noise by Empirical and Numerical Approaches**  
ÖZYÖRÜK Y., Musa Onur Ö.  
10th Ankara International Aerospace Conference, 18 - 20 Eylül 2019
- XVI. **Acoustic characterization of a rocket combustion chamber**  
ÖZYÖRÜK Y., Demirel G.  
10th Ankara International Aerospace Conference, 18 - 20 Eylül 2019
- XVII. **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 Mayıs 2019
- XVIII. **Flow and Noise Prediction of Doors-on M219 Cavity through Improved Delayed Detached Eddy Simulations**  
Coşkun S., ÖZYÖRÜK Y.  
31st International Conference on Parallel Computational Fluid Dynamics, 14 - 17 Mayıs 2019
- XIX. **Fully transient conjugate analysis of silica-phenolic charring ablation coupled with interior ballistics**  
Alanyahoğlu Ç. O., ÖZYÖRÜK Y.  
AIAA Propulsion and Energy Forum and Exposition, 2019, Indiana, Amerika Birleşik Devletleri, 19 - 22 Ağustos 2019
- XX. **Experimental and numerical investigation of coaxial pressure swirl injectors**  
Baran O., Sümer B., ÖZYÖRÜK Y.  
AIAA Scitech Forum, 2019, California, Amerika Birleşik Devletleri, 7 - 11 Ocak 2019
- XXI. **Examination of flow field inside grain port and grain regression characteristics of a nozzleless solid propellant rocket motor**  
Özer A. C., Sümer B., ÖZYÖRÜK Y.  
AIAA Propulsion and Energy Forum and Exposition, 2019, Indiana, Amerika Birleşik Devletleri, 19 - 22 Ağustos 2019
- XXII. **TACO: Helicopter noise predictions**  
Yücekayalı A., Şenipek M., Ortakaya Y., ÖZYÖRÜK Y.  
7th Asian/Australian Rotorcraft Forum, ARF 2018, Seogwipo City, Jeju Island, Güney Kore, 30 Ekim - 01 Kasım 2018
- XXIII. **Delayed Detached-eddy Simulation around NREL S826 Blade Section for Transition Prediction**  
YALÇIN Ö., CENGİZ K., ÖZYÖRÜK Y.  
14th EAWE PhD Seminar, BRÜKSEL, Belçika, 18 - 20 Eylül 2018
- XXIV. **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, Amerika Birleşik Devletleri, 25 - 29 Haziran 2018
- XXV. **Vehicle wind noise prediction through solutions of Navier-Stokes and Ffowcs Williams Hawkings equations**  
Gümüş B., Güneş E., ÖZYÖRÜK Y.  
9th Ankara International Aerospace Conference, Ankara, Türkiye, 20 - 22 Eylül 2017
- XXVI. **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, Türkiye, 20 - 22 Eylül 2017
- XXVII. **CFD analysis of helicopter rotors in forward flight**  
Ali Oğuz Y., ÖZYÖRÜK Y.  
9th Ankara International Aerospace Conference, Ankara, Türkiye, 20 - 22 Eylül 2017
- XXVIII. **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 Nisan 2017
- XXIX. **Noise predictions of helicopter rotors in hover and forward flight**  
ÖZYÖRÜK Y., Ünal A., Yüksel A. O.  
23rd AIAA/CEAS Aeroacoustics Conference, 2017, Colorado, Amerika Birleşik Devletleri, 5 - 09 Haziran 2017
- XXX. **Application of the universal expression for erosive burning to Nozzleless solid propellant Rocket motors**  
Özer A. C., ÖZYÖRÜK Y.  
53rd AIAA/SAE/ASEE Joint Propulsion Conference, 2017, Atlanta, Gürcistan, 10 - 12 Temmuz 2017
- XXXI. **Numerical study of mean flow effect on sound propagation through an aerosol**  
Arslan E., ÇALIŞKAN M., ÖZYÖRÜK Y.

172nd Meeting of the Acoustical Society of America, Hawaii, Amerika Birleşik Devletleri, 28 Kasım - 02 Aralık 2016, cilt.29

- XXXII. **Askı uçuşundaki helikopter rotorunun akış alanı hesaplamaları**  
YÜKSEL A. O., ÖZYÖRÜK Y.  
VI. Ulusal Havacılık ve Uzay Konferansı, Kocaeli, Türkiye, 28 - 30 Eylül 2016
- XXXIII. **Validation of an in-duct to far-field beamformer method for predicting far-field fan broadband noise**  
Tester B. J., ÖZYÖRÜK Y., Sutliff D. L., Bozak R. F.  
22nd AIAA/CEAS Aeroacoustics Conference, 2016, Lyon, Fransa, 30 Mayıs - 01 Haziran 2016
- XXXIV. **Implementation of finite difference method in frequency domain for solving 1 D sound propagation problem in air containing water droplets**  
ARSLAN E., ÖZYÖRÜK Y., ÇALIŞKAN M.  
The 12th International Conference on Theoretical and Computational Acoustics 2015, Hangzhou, Zhejiang, China, 11 - 16 Ekim 2015
- XXXV. **HIGH ORDER NUMERICAL SIMULATIONS FOR AEROACOUSTIC PURPOSES OF WIND TURBINE BLADE SECTIONS**  
YALÇIN Ö., ÖZYÖRÜK Y.  
ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Türkiye, 10 - 12 Eylül 2015
- XXXVI. **High order numerical simulations for aeroacoustic purposes of wind turbine blade sections**  
YALÇIN Ö., ÖZYÖRÜK Y.  
AIAC'2015 Ankara International Aerospace Conference, Ankara, Turkey, 10 - 12 Eylül 2015
- XXXVII. **Performance prediction of nozzleless solid propellant rocket motors**  
ÖZER A. C., ÖZYÖRÜK Y.  
AIAC'2015 Ankara International Aerospace Conference, Ankara, Turkey, 10 - 12 Eylül 2015
- XXXVIII. **Zonal detached eddy simulation using a high order low dissipation low dispersion computational method for aeroacoustic purposes**  
CENGİZ K., ÖZYÖRÜK Y.  
AIAC'2015 Ankara International Aerospace Conference, Ankara, Turkey, 10 - 12 Eylül 2015
- XXXIX. **NUMERICAL INVESTIGATION OF SPINNING MODE TRANSMISSION THROUGH VARIABLE AREA ANNULAR DUCTS WITH FLOW**  
ÖZYÖRÜK Y., Coupland J., Tester B. J.  
22nd International Congress on Sound and Vibration (ICSV), Florence, İtalya, 12 - 16 Temmuz 2015
- XL. **PREDICTING FAR-FIELD BROADBAND NOISE LEVELS FROM IN-DUCT PHASED ARRAY MEASUREMENTS**  
Tester B. J., ÖZYÖRÜK Y., Sutliff D. L., Bozak R. F.  
22nd International Congress on Sound and Vibration (ICSV), Florence, İtalya, 12 - 16 Temmuz 2015
- XLI. **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, Türkiye, 8 - 10 Eylül 2014
- XLII. **Predicting far-field broadband noise levels from in-duct phased array measurements**  
Tester B. J., ÖZYÖRÜK Y.  
20th AIAA/CEAS Aeroacoustics Conference 2014, Atlanta, GA, Amerika Birleşik Devletleri, 16 - 20 Haziran 2014
- XLIII. **A Helmholtz-type numerical simulation of thermo-acoustic instabilities in a 3-D Rijke tube**  
Cengiz K., ÖZYÖRÜK Y.  
49th AIAA/ASME/SAE/ASEE Joint Propulsion Conference, San Jose, CA, Amerika Birleşik Devletleri, 14 - 17 Temmuz 2013
- XLIV. **Development of a Navier Stokes Solver for high fidelity simulation of wind turbine noise**  
CENGİZ K., ÖZYÖRÜK Y.  
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- XLV. **Application of frequency-domain linearised Euler solutions to the prediction of aft fan tones and comparison with experimental measurements**  
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