

Prof. Dr. İSMAİL HAKKI TUNCER

Kişisel Bilgiler

İş Telefonu: [+90 312 210 4289](tel:+903122104289)

E-posta: ituncer@metu.edu.tr

Web: <https://avesis.metu.edu.tr/ituncer>

Uluslararası Araştırmacı ID'leri

ScholarID: FYEu038AAAAJ

ORCID: 0000-0002-5457-5841

Publons / Web Of Science ResearcherID: ABA-1418-2020

ScopusID: 7005932711

Yoksis Araştırmacı ID: 8694

Eğitim Bilgileri

Doktora, Georgia Institute of Technology, Aerospace Engineering, Amerika Birleşik Devletleri 1984 - 1988

Yüksek Lisans, Purdue University, Mechanical Engineering, Amerika Birleşik Devletleri 1981 - 1983

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Türkiye 1976 - 1981

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Yüksek Lisans, Design of Three-Dimensional Finite Element Grids for Transonic Flows around Wing-body Combinations, Purdue University, Mechanical Engineering, 1983

Doktora, Unsteady Aerodynamics of Oscillating and Rapidly Pitched Airfoils, Georgia Institute Of Technology, Aerospace Engineering, 1983

Araştırma Alanları

Atmosfer Fiziği, Benzetim ve Modelleme, Paralel Algoritmalar , Sayısal Algoritmalar , Rüzgar Enerjisi, Optimizasyon, Sayısal Analiz, Aerodinamik

Akademik Unvanlar / Görevler

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

Akademik İdari Deneyim

Bölüm Başkanı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2018 - Devam Ediyor
Uygulama ve Araştırma Merkezi Müdürü, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2017 - 2018
Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2006 - 2009

Yönetilen Tezler

- TUNCER İ. H., Adjoint based design optimization of subsonic airfoils with a panel code, Yüksek Lisans, B.SARIKAYA(Öğrenci), 2022
- TUNCER İ. H., Computation of vortical flow fields over a close-coupled delta canard-wing configuration and adjoint based configuration optimization, Yüksek Lisans, A.TİKENOĞULLARI(Öğrenci), 2022
- TUNCER İ. H., Adjoint based shape optimization of semi-submerged inlets and development of a novel boundary layer diverter, Doktora, U.CAN(Öğrenci), 2022
- TUNCER İ. H., Aerodynamic shape optimization of a wing using 3D flow solutions with SU2 and response surface methodology, Yüksek Lisans, B.YASİN(Öğrenci), 2021
- TUNCER İ. H., Adjoint-based aerodynamic shape optimization of a strake-delta wing configuration, Yüksek Lisans, K.YUTÜK(Öğrenci), 2021
- TUNCER İ. H., Adjoint based aerodynamic shape optimization of subsonic submerged intake, Doktora, A.AHMED(Öğrenci), 2021
- TUNCER İ. H., Forebody optimization of a jet trainer aircraft using response surface methodology with genetic algorithm, Yüksek Lisans, Ö.KANDEMİR(Öğrenci), 2021
- Tuncer İ. H., Yücel H., Development of a Discrete Adjoint-Based Aerodynamic Shape optimization for Natural Laminar Flows, Doktora, H.Kaya(Öğrenci), 2020
- Tuncer İ. H., Numerical simulations of wind turbine wake interactions using actuator line and LES models, Yüksek Lisans, H.CAN(Öğrenci), 2019
- Tuncer İ. H., Adjoint-based design optimization of a hypersonic inlet, Yüksek Lisans, M.BAŞARAN(Öğrenci), 2019
- TUNCER İ. H., KAYRAN A., Coupling of a multibody simulation tool for the analysis of rotary systems with a panel based flow solver and a navier-stokes flow solver, Yüksek Lisans, S.SOĞANCI(Öğrenci), 2018
- TUNCER İ. H., ÖZGEN S., Ice accretion prediction on wind turbine blades and aerodynamic shape optimization for minimizing power production losses, Doktora, Ö.YIRTICI(Öğrenci), 2018
- TUNCER İ. H., Unsteady atmospheric flow solutions with OpenFOAM coupled with the numerical weather prediction software, WRF, Doktora, E.LEBLEBİCİ(Öğrenci), 2018
- TUNCER İ. H., Reconstruction of the atmospheric flows based on proper orthogonal decomposition method, Yüksek Lisans, T.SEVİNE(Öğrenci), 2017
- TUNCER İ. H., KAYA M., Atmosferik akış alanlarının uyumlu dik ayrışım yöntemiyle yeniden oluşturulması, Yüksek Lisans, T.Sevine(Öğrenci), 2017
- TUNCER İ. H., Investigation of missiles with strake fins and reduction of aerodynamic cross coupling effects by optimization, Yüksek Lisans, E.USTA(Öğrenci), 2015
- TUNCER İ. H., Development of an all speed navier-stokes preconditioner for two and three dimensional flows on hybrid grids, Doktora, O.BAŞ(Öğrenci), 2015
- TUNCER İ. H., UZOL O., Experimental and numerical investigation of pressure swirl atomizers, Doktora, B.SÜMER(Öğrenci), 2014
- TUNCER İ. H., Implementation of K-epsilon turbulence models in a two dimensional parallel Navier-Stokes solver on hybrid grids, Yüksek Lisans, O.OZAN(Öğrenci), 2014
- TUNCER İ. H., Roll characteristics and shape optimization of the free-to-rotate tail-fins on a canard-controlled missile, Yüksek Lisans, E.FEYZİOĞLU(Öğrenci), 2014
- TUNCER İ. H., Micro-siting of wind turbines using Navier-Stokes solutions coupled with a numerical weather prediction model, Doktora, G.AHMET(Öğrenci), 2014
- TUNCER İ. H., UZOL O., Detached eddy simulation of turbulent flow on 2D hybrid grids, Yüksek Lisans,

Ö.YIRTICI(Öğrenci), 2012

TUNCER İ. H., Terrain modeling and atmospheric turbulent flow solutions based on meteorological weather forecast data, Yüksek Lisans, E.LEBLEBİCİ(Öğrenci), 2012

TUNCER İ. H., Implementation of turbulence models on 2d hybrid grids using an explicit/implicit multigrid algorithm, Yüksek Lisans, A.EMRE(Öğrenci), 2011

TUNCER İ. H., SEZER UZOL N., Genetic algorithm based aerodynamic shape optimization of wind turbine rotor blades using a 2-d panel method with a boundary layer solver, Yüksek Lisans, Ö.POLAT(Öğrenci), 2011

TUNCER İ. H., Path optimization of flapping airfoils based on unsteady viscous flow solutions, Doktora, M.KAYA(Öğrenci), 2008

TUNCER İ. H., Bir eliptik profil üzerinde aktif akış kontrolü çalışmaları, Yüksek Lisans, E.Erler(Öğrenci), 2008

TUNCER İ. H., Kanat kesidi üzerine yerleştirilen sentetik jetin sayısal olarak incelenmesi ve optimizasyonu, Yüksek Lisans, E.Akçayöz(Öğrenci), 2008

TUNCER İ. H., SELÇUK N., A non-iterative pressure based algorithm for the computation of reacting radiating flows, Doktora, A.BİLGE(Öğrenci), 2007

TUNCER İ. H., Development of an incompressible Navier-Stokes solver with alternating cell direction implicit method on structured and unstructured quadrilateral grids, Yüksek Lisans, O.BAŞ(Öğrenci), 2007

TUNCER İ. H., Gas-kinetic methods for 3-D inviscid and viscous flow solutions on unstructured/hybrid grids, Doktora, M.ILGAZ(Öğrenci), 2007

TUNCER İ. H., Numerical and experimental investigation of flow through a cavitating venturi, Yüksek Lisans, B.YAZICI(Öğrenci), 2006

TUNCER İ. H., Computation of viscous flows over flapping airfoils and parallel optimization of flapping parameters, Yüksek Lisans, M.KAYA(Öğrenci), 2003

TUNCER İ. H., Tuncer İ., Yüksek hızlardaki akışlar için 1 boyutlu Euler denklemlerinin sonlu kimyasal denklemler ile sonlu hacimsel çözümleri, Yüksek Lisans, B.Erdem(Öğrenci), 2003

TUNCER İ. H., Application of turbulence models to unsteady cascade flows in a parallel environment, Yüksek Lisans, N.AÇIKGÖZ(Öğrenci), 2001

SELÇUK N., TUNCER İ. H., Parallelization of a transient Navier-Stokes code based on method of lines solution, Yüksek Lisans, C.ERŞAHİN(Öğrenci), 2001

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Design Optimization of a Novel Flush Boundary Layer Diverter**
Kucuk U. C., TUNCER İ. H.
Journal of Turbomachinery, cilt.146, sa.12, 2024 (SCI-Expanded)
- II. **Adjoint based aerodynamic shape optimization of a semi-submerged inlet duct and upstream inlet surface**
Küçük U. C., Tuncer I. H.
Optimization and Engineering, 2024 (SCI-Expanded)
- III. **Discrete Adjoint-Based Aerodynamic Shape Optimization Framework for Natural Laminar Flows**
Kaya H., TUNCER İ. H.
AIAA Journal, cilt.60, sa.1, ss.197-212, 2022 (SCI-Expanded)
- IV. **Aerodynamic shape optimization of wind turbine blades for minimizing power production losses due to icing**
Yirtici O., TUNCER İ. H.
COLD REGIONS SCIENCE AND TECHNOLOGY, cilt.185, 2021 (SCI-Expanded)
- V. **Investigation of wind turbine wakes and wake recovery in a tandem configuration using actuator line model with LES**
ÖNEL H. C., TUNCER İ. H.
Computers and Fluids, cilt.220, 2021 (SCI-Expanded)
- VI. **Numerical investigation of vortical flows over a close-coupled delta canard-wing configuration**

- Yutuk K., Tikenogullari A., TUNCER İ. H.
COMPUTERS & FLUIDS, cilt.216, 2021 (SCI-Expanded)
- VII. **A comparative study of wake interactions between wind-aligned and yawed wind turbines using LES and actuator line models**
ÖNEL H. C., TUNCER İ. H.
Journal of Physics: Conference Series, cilt.1618, 2020 (SCI-Expanded)
- VIII. **Aerodynamic validation studies on the performance analysis of iced wind turbine blades**
YIRTICI Ö., Cengiz K., ÖZGEN S., TUNCER İ. H.
COMPUTERS & FLUIDS, cilt.192, 2019 (SCI-Expanded)
- IX. **Predictions of ice formations on wind turbine blades and power production losses due to icing**
YIRTICI Ö., ÖZGEN S., TUNCER İ. H.
WIND ENERGY, cilt.22, sa.7, ss.945-958, 2019 (SCI-Expanded)
- X. **A Novel Alternating Cell Directions Implicit Method for the Solution of Incompressible Navier Stokes Equations on Unstructured Grids**
Bas O., ÇETE A. R., Mengi S., TUNCER İ. H., Kaynak U.
JOURNAL OF APPLIED FLUID MECHANICS, cilt.10, sa.6, ss.1561-1570, 2017 (SCI-Expanded)
- XI. **A Mach-uniform preconditioner for incompressible and subsonic flows**
Bas O., TUNCER İ. H., Kaynak U.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, cilt.74, sa.2, ss.100-112, 2014 (SCI-Expanded)
- XII. **Optimization of Flapping Motion Parameters for Two Airfoils in a Biplane Configuration**
Kaya M., TUNCER İ. H., Jones K. D., Platzer M. F.
JOURNAL OF AIRCRAFT, cilt.46, sa.2, ss.583-592, 2009 (SCI-Expanded)
- XIII. **A parallel gas-kinetic Bhatnagar-Gross-Krook method for the solution of viscous flows on two-dimensional hybrid grids**
Ilgaz M., TUNCER İ. H.
INTERNATIONAL JOURNAL OF COMPUTATIONAL FLUID DYNAMICS, cilt.23, sa.10, ss.699-711, 2009 (SCI-Expanded)
- XIV. **A non-iterative pressure based scheme for the computation of reacting radiating flows**
Uygur A. B., SELÇUK N., TUNCER İ. H.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.47, sa.3, ss.209-220, 2008 (SCI-Expanded)
- XV. **Nonsinusoidal path optimization of a flapping airfoil**
Kaya M., Tuncer I. H.
AIAA JOURNAL, cilt.45, sa.8, ss.2075-2082, 2007 (SCI-Expanded)
- XVI. **Optimization of flapping airfoils for maximum thrust and propulsive efficiency**
Tuncer I., Kaya M.
AIAA JOURNAL, cilt.43, sa.11, ss.2329-2336, 2005 (SCI-Expanded)
- XVII. **Viscous flow solutions over CN-235 cargo aircraft**
Uygun M., Tuncer I.
JOURNAL OF AIRCRAFT, cilt.41, sa.4, ss.940-944, 2004 (SCI-Expanded)
- XVIII. **Parallelization of a transient method of lines Navier-Stokes code**
Ersahin C., Tarhan T., Tuncer I., Selcuk N.
INTERNATIONAL JOURNAL OF COMPUTATIONAL FLUID DYNAMICS, cilt.18, sa.1, ss.81-92, 2004 (SCI-Expanded)
- XIX. **Thrust generation caused by flapping airfoils in a biplane configuration**
Tuncer I., Kaya M.
JOURNAL OF AIRCRAFT, cilt.40, sa.3, ss.509-515, 2003 (SCI-Expanded)
- XX. **Computational investigation of flow through a louvered inlet configuration**
Tuncer I., Platzer M.
JOURNAL OF AIRCRAFT, cilt.39, sa.5, ss.903-906, 2002 (SCI-Expanded)
- XXI. **Computational study of flapping airfoil aerodynamics**
Tuncer I., Platzer M.
JOURNAL OF AIRCRAFT, cilt.37, sa.3, ss.514-520, 2000 (SCI-Expanded)

- XXII. **Investigation of periodic boundary conditions in multipassage cascade flows using overset grids**
Tuncer İ. H., Weber S., Sanz W.
JOURNAL OF TURBOMACHINERY-TRANSACTIONS OF THE ASME, cilt.121, sa.2, ss.341-347, 1999 (SCI-Expanded)
- XXIII. **Computational study of subsonic flow over a delta canard-wing-body configuration**
Tuncer İ. H., Platzer M.
JOURNAL OF AIRCRAFT, cilt.35, sa.4, ss.554-560, 1998 (SCI-Expanded)
- XXIV. **Potential flow solutions with wakes over an ogive cylinder**
Tuncer İ. H., Platzer M.
JOURNAL OF SPACECRAFT AND ROCKETS, cilt.35, sa.3, ss.273-277, 1998 (SCI-Expanded)
- XXV. **Navier-Stokes analysis of subsonic flowfields over a missile configuration**
Tuncer İ. H., Platzer M., VanDyken R.
JOURNAL OF SPACECRAFT AND ROCKETS, cilt.35, sa.2, ss.127-131, 1998 (SCI-Expanded)
- XXVI. **Two-dimensional unsteady Navier-Stokes solution method with moving overset grids**
Tuncer İ. H.
AIAA JOURNAL, cilt.35, sa.3, ss.471-476, 1997 (SCI-Expanded)
- XXVII. **Thrust generation due to airfoil flapping**
Tuncer İ. H., Platzer M.
AIAA JOURNAL, cilt.34, sa.2, ss.324-331, 1996 (SCI-Expanded)
- XXVIII. **Viscous-inviscid interaction method for unsteady low-speed airfoil flows**
Tuncer İ. H., Ekaterinaris J. A., Platzer M. F.
AIAA Journal, cilt.33, sa.1, ss.151-153, 1995 (SCI-Expanded)
- XXIX. **UNSTEADY AERODYNAMIC CHARACTERISTICS OF A DUAL-ELEMENT AIRFOIL**
TUNCER İ. H., SANKAR L.
JOURNAL OF AIRCRAFT, cilt.31, sa.3, ss.531-537, 1994 (SCI-Expanded)
- XXX. **NUMERICAL-SIMULATION OF 3-DIMENSIONAL SUPERSONIC FREE SHEAR LAYERS**
TUNCER İ. H., SANKAR L.
AIAA JOURNAL, cilt.30, sa.4, ss.871-872, 1992 (SCI-Expanded)
- XXXI. **THEORETICAL AND NUMERICAL-STUDIES OF OSCILLATING AIRFOILS**
TUNCER İ. H., WU J., WANG C.
AIAA JOURNAL, cilt.28, sa.9, ss.1615-1624, 1990 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Parallel processing of two-dimensional euler equations for compressible flows**
Doğru K., Aksel M., TUNCER İ. H.
Modelling, Measurement and Control B, cilt.77, ss.50-70, 2008 (Scopus)

Kitap & Kitap Bölümleri

- I. **Transition Modeling for Low to High Speed Boundary Layer Flows with CFD Applications**
TUNCER İ. H., BAŞ O., KAYNAK Ü., Çakmakcioğlu S. C.
Boundary Layer Flows - Theory, Applications and Numerical Methods, Vallampati Ramachandra Prasad, Editör,
IntechOpen, London, ss.1-21, 2020
- II. **Non-sinusoidal Path Optimization of Flapping Airfoils in Biplane Configuration,**
KAYA M., TUNCER İ. H.
Lecture Notes in Computational Science and Engineering, Ismail H. Tuncer, Ulgen Gulcat, David Emerson, Kenichi
Matsuno, Editör, Springer, Berlin, ss.59-66, 2009

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **ADJOINT-BASED SHAPE OPTIMIZATION FOR A SEMI-SUBMERGED ENGINE INLET**
Küçük U. C., Tuncer I. H.
12th Ankara International Aerospace Conference, Ankara, Türkiye, 13 - 15 Eylül 2023, sa.12, ss.1-8
- II. **ESTIMATION OF WAKE INDUCED POWER LOSSES IN A LARGE OFFSHORE WIND FARM USING ACTUATOR DISK AND LES MODELS**
Önel H. C., Tuncer I. H.
12th Ankara International Aerospace Conference, Ankara, Türkiye, 13 - 15 Eylül 2023, sa.12, ss.1-14
- III. **Short-Term Numerical Forecasting of Near-Ground Wind Fields Using OpenFOAM Coupled With WRF**
Onel H. C., Tuncer I. H.
AIAA SCITECH 2023 Forum, Maryland, Amerika Birleşik Devletleri, 23 - 27 Ocak 2023, ss.1-12
- IV. **Adjoint Based Shape Optimization of an S-Shaped Duct with SU2**
Kucuk U. C., TUNCER İ. H.
AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, California, Amerika Birleşik Devletleri, 3 - 07 Ocak 2022
- V. **Adjoint based design optimization of subsonic airfoils using a panel code together with a rans solver**
Sarıkaya B., TUNCER İ. H.
AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, California, Amerika Birleşik Devletleri, 3 - 07 Ocak 2022
- VI. **Adjoint Based Multi-Objective Optimization of Submerged Subsonic Intake**
Ahmed A., TUNCER İ. H.
18th International Bhurban Conference on Applied Sciences and Technologies, IBCAST 2021, Virtual, Islamabad, Pakistan, 12 - 16 Ocak 2021, ss.788-795
- VII. **FOREBODY OPTIMIZATION USING RESPONSE SURFACE METHODOLOGY WITH GENETIC ALGORITHM**
Kandemir O., TUNCER İ. H.
ASME 2021 International Mechanical Engineering Congress and Exposition, IMECE 2021, Virtual, Online, 1 - 05 Kasım 2021, cilt6
- VIII. **Wing Planform Optimization Using Flow Solutions and Response Surface Methodology**
Yildirim B. Y., TUNCER İ. H.
AIAA Aviation and Aeronautics Forum and Exposition, AIAA AVIATION Forum 2021, Virtual, Online, 2 - 06 Ağustos 2021
- IX. **Estimation of Wake Induced Power Loss in Wind Turbines Using Actuator Line Model**
ÖNEL H. C., TUNCER İ. H.
AIAA AVIATION 2020 FORUM, Nevada, Amerika Birleşik Devletleri, 15 - 19 Haziran 2020
- X. **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
- XI. **OPENFOAM SIMULATION OF DUAL IN-LINE WIND TURBINES BASED ON ACTUATOR LINE**
ÖNEL H. C., TUNCER İ. H.
10th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, 18 - 20 Eylül 2019
- XII. **DEVELOPMENT OF A 2D DISCRETE TURBULENT ADJOINT SOLVER USING AUTOMATIC DIFFERENTIATION**
Kaya H., TUNCER İ. H., Tiftikci H.
10th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, 18 - 20 Eylül 2019
- XIII. **DESIGN OPTIMIZATION OF A 2-D SCRAMJET INLET**
başaran M., LEBLEBİCİ E., TUNCER İ. H.
31st International Conference on Parallel Computational Fluid Dynamics, 14 - 17 Mayıs 2019
- XIV. **WIND FIELD SIMULATION IN A WIND FARM USING OPENFOAM AND ACTUATOR LINE MODEL**
ÖNEL H. C., TUNCER İ. H.
31. International Conference on Parallel Computational Fluid Dynamics, 14 - 17 Mayıs 2019

- XV. **Aerodynamic Shape Optimization for Reducing Ice Induced Losses on Wind Turbine Blades**
YIRTICI Ö., TUNCER İ. H.
31st International Conference on Parallel Computational Fluid Dynamics, 14 - 17 Mayıs 2019
- XVI. **Buzlanmış Rüzgar Türbini Palasında Performans Kayıp Analizi**
YIRTICI Ö., ÖZGEN S., TUNCER İ. H.
7. Ulusal Havacılık ve Uzay Konferansı, Samsun, Türkiye, 12 - 14 Eylül 2018
- XVII. **AKTÜATÖR ÇİZGİ METODU İLE BİR RÜZGAR TÜRBİNİNİN MODELLENMESİ VE HESAPLAMALI AKIŞ ÇÖZÜMÜ SONUÇLARININ DOĞRULANMASI**
Tuncer İ. H., Önel H. C.
7. Ulusal Havacılık ve Uzay Konferansı, Samsun, Türkiye, 12 - 14 Eylül 2018, ss.0-8
- XVIII. **OTOMATİK TÜREV ARAÇLARI İLE AYRIK ADJOINT ÇÖZÜCÜ GELİŞTİRİLMESİ**
Tuncer İ. H., Kaya H., Tiftikci H.
7. Havacılık ve Uzay Konferansı, Samsun, Türkiye, 12 - 14 Eylül 2018, ss.1-12
- XIX. **Wind Turbine Performance Losses Due to the Ice Accretion on the Turbine Blades**
YIRTICI Ö., SEVİNE T., ÖZGEN S., TUNCER İ. H.
AIAA 2018 Joint Thermophysics and Heat Transfer Conference, Atlanta, Amerika Birleşik Devletleri, 25 - 29 Haziran 2018
- XX. **Aerodynamic Shape Optimization of Wind Turbine Blades for Reducing Icing Related Power Losses**
YIRTICI Ö., ÖZGEN S., TUNCER İ. H.
26th Annual Conference of the CFD Society of Canada, Winnipeg, Kanada, 10 - 12 Haziran 2018
- XXI. **Performance Degradation Analysis of an Iced Turbine Blade by Using Detached-Eddy Simulation**
YIRTICI Ö., Cengiz K., TUNCER İ. H.
Parallel CFD 2018, Indianapolis, Amerika Birleşik Devletleri, 14 - 17 Mayıs 2018
- XXII. **WIND POTENTIAL/POWER ESTIMATION BASED ON UNSTEADY OpenFOAM SOLUTIONS COUPLED WITH WRF**
TUNCER İ. H.
15th International Bhurban Conference on Applied Sciences Technology - IBCAST, Islamabad, Pakistan, 9 - 12 Ocak 2018
- XXIII. **GRADIENT BASED AERODYNAMIC SHAPE OPTIMIZATION**
TUNCER İ. H.
15th International Bhurban Conference on Applied Sciences Technology - IBCAST, Islamabad, Pakistan, 9 - 12 Ocak 2018
- XXIV. **The Effect of Static Stability on the Short Range Flight Trajectory of a Countermunition**
Bent M., Dikbaş E., Tuncer İ. H.
2018 AIAA Atmospheric Flight Mechanics Conference, Florida, Amerika Birleşik Devletleri, 8 - 12 Ocak 2018
- XXV. **Wind turbine power production losses due to ice accretion on turbine blades**
Yirtici O., Sevine T., ÖZGEN S., TUNCER İ. H.
12th AIAA/ASME Joint Thermophysics and Heat Transfer Conference, 2018, [state] GA, Amerika Birleşik Devletleri, 25 - 29 Haziran 2018
- XXVI. **Coupling of a multibody simulation tool for rotary systems with an unsteady viscous flow solver**
Soğancı S., KAYRAN A., TUNCER İ. H.
AIAA Aerospace Sciences Meeting, 2018, Florida, Amerika Birleşik Devletleri, 8 - 12 Ocak 2018
- XXVII. **ICING ON WIND TURBINE BLADE UNDER VARIOUS ATMOSPHERIC CONDITIONS**
YIRTICI Ö., ÖZGEN S., TUNCER İ. H.
9th Ankara International Aerospace Conference, Ankara, Türkiye, 20 - 22 Eylül 2017
- XXVIII. **RECONSTRUCTION OF WINDSIM FLOWFIELDS BASED ON PROPER ORTHOGONAL DECOMPOSITION METHOD**
SEVİNE T., TUNCER İ. H.
9th Ankara International Aerospace Conference, Ankara, Türkiye, 20 - 22 Eylül 2017
- XXIX. **Reconstruction of Atmospheric Flow Field and Wind Resource Estimation based on Proper Orthogonal Decomposition Method**

SEVİNE T., LEBLEBİCİ E., KAYA M., TUNCER İ. H.

Wind Energy Science Conference, Lyngby, Danimarka, 26 - 29 Haziran 2017

- XXX. **Validation of Parallel WRF Downscaling Methodology using OpenFOAM**
LEBLEBİCİ E., TUNCER İ. H.
Wind Energy Science Conference 2017, Lyngby, Danimarka, 26 - 29 Haziran 2017
- XXXI. **OpenFOAM Solutions Coupled with WRF for Wind Power Estimation**
LEBLEBİCİ E., TUNCER İ. H.
AIAA Aviation Forum, Denver, Amerika Birleşik Devletleri, 5 - 09 Haziran 2017
- XXXII. **Parallel OpenFOAM - WRF Coupling Methodology and Comparison with Wind Mast Data**
LEBLEBİCİ E., TUNCER İ. H.
5th Symposium on OpenFOAM in Wind Energy, Pamplona, İspanya, 26 - 28 Nisan 2017
- XXXIII. **Aerodynamic Shape Optimization of Wind Turbine Blades for Reducing Power Production Losses due to Ice Accretion**
YIRTICI Ö., TUNCER İ. H., ÖZGEN S.
AIAA Scitech Conference, Dallas, Amerika Birleşik Devletleri, 9 - 13 Ocak 2017
- XXXIV. **Ice Accretion Prediction on Wind Turbines and Consequent Power Losses**
YIRTICI Ö., TUNCER İ. H., ÖZGEN S.
Conference on Science of Making Torque from Wind (TORQUE), Munich, Almanya, 5 - 07 Ekim 2016, cilt.753
- XXXV. **SES-ÜSTÜ KANARD KONTROLLÜ FÜZELER İÇİN SERBEST DÖNEN KUYRUĞUN ŞEKİL OPTİMİZASYONU**
Feyzioğlu E., TUNCER İ. H.
6. Ulusal Havacılık ve Uzay Konferansı, Türkiye, 28 - 30 Eylül 2016
- XXXVI. **HELİKOPTER PALLERİNİN ÇOKLU KÜTLELİ BENZETİM ARACI VE İKİ BOYUTLU PANEL TABANLI AKIŞ ÇÖZÜCÜSÜ İLE ETKİLEŞİMLİ ANALİZİ**
Soğanacı S., KAYRAN A., TUNCER İ. H.
6. Ulusal Havacılık ve Uzay Konferansı, Kocaeli, Türkiye, 28 - 30 Eylül 2016
- XXXVII. **OPENFOAM'UN WRF İLE AKUPLE EDİLMESİ VE RÜZGAR POTANSİYELİ TAHMİNİ**
LEBLEBİCİ E., TUNCER İ. H.
6. Ulusal Havacılık ve Uzay Konferansı, Kocaeli, Türkiye, 28 - 30 Eylül 2016
- XXXVIII. **ATMOSFERİK AKIŞLARIN NÜMERİK ÇÖZÜMÜ VE POD YÖNTEMİYLE YENİDEN OLUŞTURULMASI**
SEVİNE T., LEBLEBİCİ E., KAYA M., TUNCER İ. H.
6. Ulusal Havacılık ve Uzay Konferansı, Kocaeli, Türkiye, 28 - 30 Eylül 2016
- XXXIX. **RANS VE PAL ELEMANLARI YÖNTEMİ İLE YATAY EKSENLİ RÜZGAR TÜRBİNİ PERFORMANS ANALİZİ**
YIRTICI Ö., TUNCER İ. H.
6. Ulusal Havacılık ve Uzay Konferansı, Kocaeli, Türkiye, 28 - 30 Eylül 2016
- XL. **Development of OpenFOAM - WRF Coupling Methodology for Wind Power Production Estimations**
LEBLEBİCİ E., TUNCER İ. H.
SOWE 2016 The Fourth Symposium on OpenFOAM in Wind Energy, Delft, Hollanda, 2 - 05 Mayıs 2016
- XLI. **Ice Accretion Prediction on Wind Turbine Blades Under Atmospheric Icing Conditions**
Yırtıcı Ö., ÖZGEN S., TUNCER İ. H.
11. EAWE PhD Seminar on Wing Energy in Europe, Stuttgart, Almanya, 23 - 25 Eylül 2015
- XLII. **AERODYNAMIC SHAPE OPTIMIZATION OF WIND TURBINE BLADES BASED ON BEM METHODOLOGY AND GENETIC ALGORITHM**
TUNCER İ. H.
IBCAST 2016 - 13th International Bhurban Conference on Applied Sciences and Technology, Islamabad, Pakistan, 12 - 16 Ocak 2016
- XLIII. **MICRO-SCALE ATMOSPHERIC FLOW SOLUTIONS COUPLED WITH A MESO-SCALE WEATHER PREDICTION MODEL**
TUNCER İ. H.
IBCAST 2016 - 13th International Bhurban Conference on Applied Sciences and Technology, Islamabad, Pakistan, 12 - 16 Ocak 2016
- XLIV. **Wind Power Estimations using OpenFOAM Coupled with WRF**

LEBLEBİCİ E., TUNCER İ. H.

11th EAWE PhD Seminar on Wind Energy in Europe, 23 - 25 Eylül 2015

- XLV. **ICE ACCRETION PREDICTION ON HORIZONTAL AXIS WIND TURBINE BLADES**
YIRTICI Ö., ÖZGEN S., TUNCER İ. H.
EAWE 2015, 22 - 25 Eylül 2015
- XLVI. **FLUID STRUCTURE INTERACTION BASED ON PANEL METHOD AND GEOMETRICALLY NONLINEAR STRUCTURAL ANALYSIS**
Sedat Ö., KAYRAN A., TUNCER İ. H.
Ankara International Aerospace Conference, 10 - 12 Eylül 2015
- XLVII. **MODELING OF STORE SEPARATION BEHAVIOR BASED ON A NEURAL NETWORK AND UNSTEADY FLOW SOLUTIONS**
Erinç E., TUNCER İ. H.
Ankara International Aerospace Conference, 10 - 12 Eylül 2015
- XLVIII. **AERODYNAMIC DESIGN ANALYSIS OF MISSILES WITH STRAKE CONFIGURATIONS AT SUPERSONIC MACH NUMBERS**
Usta E., Kıvanç A., TUNCER İ. H.
Ankara International Aerospace Conference, 10 - 12 Eylül 2015
- XLIX. **METUWIND Gateway A Science Gateway for the METU Center for Wind Energy**
KOCAİR Ç., ŞENER C., TUNCER İ. H.
IWSG 2015 - 7th International Workshop on Science Gateways, Budapest, Macaristan, 3 - 05 Haziran 2015
- L. **A 3-D Mach uniform preconditioner for incompressible and subsonic flows**
Bas O., TUNCER İ. H.
Joint 11th World Congress on Computational Mechanics, WCCM 2014, the 5th European Conference on Computational Mechanics, ECCM 2014 and the 6th European Conference on Computational Fluid Dynamics, ECFD 2014, Barcelona, İspanya, 20 - 25 Temmuz 2014, ss.6950-6959
- LI. **Genetic Algorithm based aerodynamic shape optimization tool for wind turbine blades and its implementation to helicopter blades**
Polat Ö., Sezer-Uzol N., TUNCER İ. H.
70th American Helicopter Society International Annual Forum 2014, Montreal, Kanada, 20 - 22 Mayıs 2014, cilt.4, ss.2774-2785
- LII. **Aerodynamic shape optimization of wind turbine blades using a parallel genetic algorithm**
Polat O., TUNCER İ. H.
25th International Conference on Parallel Computational Fluid Dynamics, 20 - 24 Mayıs 2013, cilt.61, ss.28-31
- LIII. **Aerodynamic Shape Optimization of Wind Turbine Blades Using a Parallel Genetic Algorithm**
Polat Ö., Sezer Uzol N., Tuncer I. H.
7. Ankara International Aerospace Conference, Ankara, Türkiye, 11 - 13 Eylül 2013
- LIV. **Atmospheric turbulent flowsolutions coupled with a mesoscale weather prediction model**
Leblebici E., Ahmet G., TUNCER İ. H.
3rd South-East European Conference on Computational Mechanics, SEECCM 2013, Kos Island, Yunanistan, 12 - 14 Haziran 2013, ss.127-136
- LV. **Aerodynamic shape optimization of wind turbine blades using a 2-D panel method with a boundary layer solver and a Genetic Algorithm**
Polat O., Sezer-Uzol N., TUNCER İ. H.
6th European Congress on Computational Methods in Applied Sciences and Engineering, ECCOMAS 2012, Vienna, Avusturya, 10 - 14 Eylül 2012, ss.6263-6278
- LVI. **Experimental and numerical investigation of a pressure swirl atomizer**
Sumer B., Erkan N., UZOL O., TUNCER İ. H.
12th International Conference on Liquid Atomization and Spray Systems, ICLASS 2012, Heidelberg, Almanya, 2 - 06 Eylül 2012
- LVII. **Aerodynamic Optimization Of Horizontal Axis Wind Turbines Based On Potential Flow Solutions With BEM Theory And Genetic Algorithm**

Polat Ö., Sezer Uzol N., Tuncer I. H.

ECCOMAS CFD & OPTIMIZATION 2011-1080, An ECCOMAS Thematic Conference, Antalya, Türkiye, 23 - 25 Mayıs 2011

- LVIII. Path optimization of dual airfoils flapping in a biplane configuration with RSM in a parallel computing environment**
Kaya M., TUNCER İ. H.
20th International Series of Meetings on Parallel Computational Fluid Dynamics, CFD 2008, Lyon, Fransa, 19 - 22 Mayıs 2008, ss.83-90
- LIX. Development of a quadtree based agglomeration method for a multigrid viscous flow solver on unstructured grids**
Mahmutyazicioglu E., TUNCER İ. H., Aksel H.
48th AIAA Aerospace Sciences Meeting Including the New Horizons Forum and Aerospace Exposition, Orlando, FL, Amerika Birleşik Devletleri, 4 - 07 Ocak 2010
- LX. Non-sinusoidal path optimization of dual airfoils flapping in a biplane configuration**
KAYA M. Ç., TUNCER İ. H.
Parallel Computational Fluid Dynamics, Parallel CFD 2007, Antalya, Türkiye, 21 - 24 Mayıs 2007, ss.59-66
- LXI. Parallel implementation of a gas-kinetic BGK method on unstructured grids for 3-D inviscid missile flows**
Ilgaz M., TUNCER İ. H.
Parallel Computational Fluid Dynamics, Parallel CFD 2007, Antalya, Türkiye, 21 - 24 Mayıs 2007, ss.449-456
- LXII. Parallel Computation of 3-D Viscous Flows on Hybrid Grids**
Ilgaz M., TUNCER İ. H.
Parallel Computational Fluid Dynamics, Parallel CFD 2007, Antalya, Türkiye, 21 - 24 Mayıs 2007, ss.67-74
- LXIII. Optimization of horizontal axis wind turbines by using BEM theory and genetic algorithm**
Ceyhan Ö., Ortakaya Y., Korkem B., Sezer Uzol N., Tuncer I. H.
5th Ankara International Aerospace Conference, Ankara, Turkey, 17 - 19 August 2009, Ankara, Türkiye, 17 - 19 Ağustos 2009
- LXIV. Numerical & experimental investigation of flow through a cavitating venturi**
Yazici B., TUNCER İ. H., Ak M. A.
3rd International Conference on Recent Advances in Space Technologies, İstanbul, Türkiye, 14 - 16 Haziran 2007, ss.236-237
- LXV. Optimization of aeroelastic flapping motion of thin airfoils in a biplane configuration for maximum thrust**
Kaya M., TUNCER İ. H., Jones K. D., Platzer M. F.
37th AIAA Fluid Dynamics Conference, Miami, FL, Amerika Birleşik Devletleri, 25 - 28 Haziran 2007, cilt.3, ss.1758-1766
- LXVI. A gas-kinetic BGK scheme for parallel solution of 3-D viscous flows on unstructured hybrid grids**
Ilgaz M., TUNCER İ. H.
18th AIAA Computational Fluid Dynamics Conference, Miami, FL, Amerika Birleşik Devletleri, 25 - 28 Haziran 2007, cilt.2, ss.2080-2092
- LXVII. Optimization of flapping motion of airfoils in biplane configuration for maximum thrust and/or efficiency**
Kaya M., TUNCER İ. H., Jones K. D., Platzer M. F.
45th AIAA Aerospace Sciences Meeting 2007, Reno, NV, Amerika Birleşik Devletleri, 8 - 11 Ocak 2007, cilt.9, ss.5812-5822
- LXVIII. Computation of turbulent flows around rotating bodies using unstructured grids**
Gönç L., Ak M., TUNCER İ. H., Aksel M.
24th AIAA Applied Aerodynamics Conference, San Francisco, CA, Amerika Birleşik Devletleri, 5 - 08 Haziran 2006, cilt.1, ss.125-137
- LXIX. Parallel implementation of gas-kinetic BGK scheme on unstructured hybrid grids**
Ilgaz M., TUNCER İ. H.

- 36th AIAA Fluid Dynamics Conference, San Francisco, CA, Amerika Birleşik Devletleri, 5 - 08 Haziran 2006, cilt.4, ss.2793-2805
- LXX. **Flow separation control of an elliptical wing by pulsating jet**
Sohn M. H., Chung H. S., TUNCER İ. H.
23rd AIAA Applied Aerodynamics Conference, Toronto, Kanada, 6 - 09 Haziran 2005, cilt.1, ss.410-422
- LXXI. **Thrust and efficiency of propulsion by oscillating foils**
Young J., Lai J. C. S., KAYA M. Ç., TUNCER İ. H.
3rd International Conference on Computational Fluid Dynamics, Toronto, Kanada, 12 - 16 Temmuz 2004, ss.313-314
- LXXII. **Parallel optimization of flapping airfoils in a biplane configuration for maximum thrust**
Tuncer I., Kaya M.
16th International Conference on Parallel Computational Fluid Dynamics, Las Palmas Gran Canaria, İspanya, 24 - 27 Mayıs 2004, ss.137-144
- LXXIII. **Optimization of flapping airfoils for maximum thrust**
TUNCER İ. H., KAYA M.
41 st AIAA Aerospace Sciences Meeting & Exhibit, 6 - 08 Ocak 2003
- LXXIV. **A computational study of subsonic flows over a medium range cargo aircraft**
Uygun M., TUNCER İ. H.
21st AIAA Applied Aerodynamics Conference 2003, Orlando, FL, Amerika Birleşik Devletleri, 23 - 26 Haziran 2003
- LXXV. **Parallel computation of flows around flapping airfoils in biplane configuration**
Tuncer I., Kaya M.
International Parallel Computational Fluid Dynamics Conference, KANSAI SCI CITY, Japonya, 20 - 22 Mayıs 2002, ss.523-530
- LXXVI. **Computational investigation of flow through a louvered inlet configuration**
TUNCER İ. H., Platzer M. F.
19th AIAA Applied Aerodynamics Conference 2001, Anaheim, CA, Amerika Birleşik Devletleri, 11 - 14 Haziran 2001
- LXXVII. **Influence wave mode computations of multi-passage cascade flows**
TUNCER İ. H., Weber S.
ASME Turbo Expo 2000: Power for Land, Sea, and Air, GT 2000, Munich, Almanya, 8 - 11 Mayıs 2000, cilt.4
- LXXVIII. **A computational study of flow separation characteristics and wake profiles behind a flapping airfoil**
TUNCER İ. H., Platzer M. F.
37th Aerospace Sciences Meeting and Exhibit, 1999, Nevada, Amerika Birleşik Devletleri, 11 - 14 Ocak 1999
- LXXIX. **A computational study on the dynamic stall of a flapping airfoil Search within citing articles**
TUNCER İ. H., Walz R., Platzer M. F.
AIAA Paper, 15 - 19 Haziran 1998
- LXXX. **A computational study of flow entrainment over a stationary/flapping airfoil combination in tandem**
Tuncer İ. H., Lai J. C., Platzer M. F.
36th AIAA Aerospace Sciences Meeting and Exhibit, 1998, Nevada, Amerika Birleşik Devletleri, 12 - 15 Ocak 1998
- LXXXI. **Investigation of periodic boundary conditions in multi-passage cascade flows using overset grids**
Tuncer İ. H., Weber S., Sanz W.
Proceedings of the 1998 International Gas Turbine & Aeroengine Congress & Exhibition, Stockholm, İsveç, 2 - 05 Haziran 1998
- LXXXII. **Investigation of periodic boundary conditions in multi-passage cascade flows using overset grids**
Tuncer İ. H., Weber S., Sanz W.
ASME 1998 International Gas Turbine and Aeroengine Congress and Exhibition, GT 1998, Stockholm, İsveç, 2 - 05 Haziran 1998, cilt.1
- LXXXIII. **A computational study on the dynamic stall of a flapping airfoil**
TUNCER İ. H., Walz R., Platzer M. F.
16th AIAA Applied Aerodynamics Conference, 1998, New Mexico, Amerika Birleşik Devletleri, 15 - 18 Haziran 1998, ss.219-225
- LXXXIV. **Computation of multi-passage cascade flows with overset and deforming grids**

Tuncer İ. H., Sanz W.

Proceedings of the 1997 International Gas Turbine & Aeroengine Congress & Exposition, Orlando, FL, USA, 2 - 05 Haziran 1997

- LXXXV. **Computational Study of Subsonic Flowfields Over a Missile Configuration**
Uygun M., TUNCER İ. H.
35th AIAA Aerospace Sciences Meeting and Exhibit, Reno, NV, 6 - 09 Ocak 1997
- LXXXVI. **PMARC potential flow solutions with wakes over an ogive cylinder at high incidence**
Tuncer İ. H., Platzert M. F.
28th Fluid Dynamics Conference, 1997, Colorado, Amerika Birleşik Devletleri, 29 Haziran - 02 Temmuz 1997
- LXXXVII. **Simple method for particle tracing in 2-D unsteady flows**
Tuncer İ. H.
Proceedings of the 1997 ASME Fluids Engineering Division Summer Meeting, FEDSM'97. Part 16 (of 24), Vancouver, Kanada, 22 - 26 Haziran 1997, cilt.13
- LXXXVIII. **Unsteady aerodynamics of stationary/flapping airfoil combination in tandem**
TUNCER İ. H., Lai J., Ortiz M., Platzter M. F.
35th Aerospace Sciences Meeting and Exhibit, Reno, Amerika Birleşik Devletleri, 1 - 05 Ocak 1997
- LXXXIX. **A computational study of a close-coupled delta canard-wing-body configuration**
TUNCER İ. H., PLATZER M. F., VANDYKEN R. B.
AIAA 14th Applied Aerodynamics Conference, Amerika Birleşik Devletleri, 20 - 24 Haziran 1996
- XC. **Numerical investigation of subsonic flow over a typical missile forebody**
Tuncer İ. H., Marvin R., Platzter M. F.
34th Aerospace Sciences Meeting and Exhibit, 1996, Nevada, Amerika Birleşik Devletleri, 15 - 18 Ocak 1996
- XCI. **A 2-D unsteady Navier-Stokes solution method with overlapping/overset moving grids**
Tuncer İ. H.
34th Aerospace Sciences Meeting and Exhibit, 1996, Nevada, Amerika Birleşik Devletleri, 15 - 18 Ocak 1996
- XCII. **2-D Navier-Stokes solution method with overset moving grids**
Tuncer İ. H.
Proceedings of the 1996 International Gas Turbine and Aeroengine Congress & Exhibition, Birmingham, UK, 10 - 13 Haziran 1996
- XCIII. **Passive control of flow separation over delta wings at high angle-of-attack**
Van Dyken R., Yu K., Gutmark E., Tuncer İ. H., Platzter M., McLachlan B., Bell J.
34th Aerospace Sciences Meeting and Exhibit, 1996, Nevada, Amerika Birleşik Devletleri, 15 - 18 Ocak 1996
- XCIV. **A 2-0 navier-stokes solution method with overset moving grids**
Tuncer İ. H.
ASME 1996 International Gas Turbine and Aeroengine Congress and Exhibition, GT 1996, Birmingham, Birleşik Krallık, 10 - 13 Haziran 1996, cilt.1
- XCV. **Analysis of unsteady airfoil interference effects using a zonal Navier-Stokes solver**
Tuncer İ. H., Platzter M. F.
33rd Aerospace Sciences Meeting and Exhibit, 1995, Nevada, Amerika Birleşik Devletleri, 9 - 12 Ocak 1995
- XCVI. **Computational analysis of flapping airfoil aerodynamics**
Tuncer İ. H., Platzter M. F., Ekaterinaris J. A.
Proceedings of the 1994 ASME Fluids Engineering Division Summer Meeting. Part 9 (of 18), Lake Tahoe, NV, USA, 19 - 23 Haziran 1994, cilt.196, ss.9-18
- XCVII. **A viscous-inviscid interaction method for 2-D unsteady, compressible flows**
Tuncer İ. H., Ekaterinaris J. A., Platzter M. F.
AIAA 23rd Fluid Dynamics, Plasmadynamics, and Lasers Conference, 1993, Florida, Amerika Birleşik Devletleri, 6 - 09 Temmuz 1993
- XCVIII. **Zonal viscous-inviscid interaction method for 2-D compressible flows**
Tuncer İ. H., Ekaterinaris J. A., Platzter M. F.
Fluids Engineering Conference, Washington, Kiribati, 20 - 24 Haziran 1993, cilt.147, ss.19-25
- XCIX. **Unsteady aerodynamics of rapidly pitched airfoils**

Wu J. C., TUNCER İ. H., Wang C.

AIAA paper, Amerika Birleşik Devletleri, 1 - 04 Mayıs 1986

C. BLOCK-STRUCTURED FINITE ELEMENT GRID GENERATION SCHEME FOR THE ANALYSIS OF THREE-DIMENSIONAL TRANSONIC FLOWS.

Ecer A., Spyropoulos J., Tuncer İ. H.

AIAA 22nd Aerospace Sciences Meeting,, Reno, NV, USA

Desteklenen Projeler

Tuncer I. H., Şirket, Kanard/Kanat Konfigürasyonu için Adjoint tabanlı Aerodinamik Tasarım Optimizasyonu, 2018 - 2020

Tuncer I. H., Savunma Sanayi Başkanlığı Destekli Proje, Dış Geometri Aerodinamik Optimizasyonu Yazılım Aracı Geliştirilmesi, 2016 - 2020

TUNCER İ. H., TÜBİTAK Uluslararası Çoklu İşbirliği Projesi , Orta (Meso) Ölçekli Bir Hava Tahmini Yazılımıyla Akuple Edilmiş Mikro Ölçekli Atmosferik Akışın Modellenmesi, 2015 - 2018

Tuncer I. H., TÜBİTAK Projesi, RÜZGAR TÜRBİNLERİNİN MİKRO DÜZEYDEKİ YER SEÇİMİ İÇİN NAVIER STOKES AKIŞ ÇÖZÜCÜSÜNÜN TOPOĞRAFİK YAPISIZ ÇÖZÜM AĞLARINDA GELİŞTİRİLMESİ VE KULLANILMASI, 2012 - 2015

TUNCER İ. H., TÜBİTAK Projesi, Rüzgar Türbinlerinin Mikro Düzeydeki Yer Seçimi İçin Navier-Stokes Akış Çözücüsünün Topoğrafik Yapısız Çözüm Ağlarında Geliştirilmesi ve Kullanılması, 2012 - 2015

Bilimsel Dergilerdeki Faaliyetler

COMPUTERS AND FLUIDS, Özel Sayı Editörü, 2019 - 2021

Bilimsel Hakemlikler

INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, SCI-E Kapsamındaki Dergi, Ağustos 2019

COMPUTERS & FLUIDS, SCI Kapsamındaki Dergi, Haziran 2019

IEEE ACCESS, SCI Kapsamındaki Dergi, Haziran 2019

Ankara International Aerospace Conference, Bildiri (Özet), Haziran 2019

TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Haziran 2019

COMPUTERS & FLUIDS, SCI Kapsamındaki Dergi, Nisan 2019

COMPUTERS & FLUIDS, SCI Kapsamındaki Dergi, Ocak 2019

16th IBCAST , Bildiri (Tam Metin), Kasım 2018

APPLIED BIONICS AND BIOMECHANICS, SCI Kapsamındaki Dergi, Ağustos 2018

TÜBİTAK Projesi, 1512 - Girişimcilik Aşamalı Destek Programı, UP ROBOTİK L.Ş., Türkiye, Temmuz 2018

AEROSPACE SCIENCE AND TECHNOLOGY, SCI Kapsamındaki Dergi, Haziran 2018

GAZİ ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, Hakemli Bilimsel Dergi, Mart 2018

Wind Energy Science, Diğer İndekslerce Taranan Dergi, Şubat 2018

Bilimsel Danışmanlıklar

TUSAŞ A.Ş., Kurum veya Organizasyonlar İçin Yapılan Danışmanlık, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, Türkiye, 2018 - Devam Ediyor

TUSAŞ A.Ş., Kurum veya Organizasyonlar İçin Yapılan Danışmanlık, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, Türkiye, 2018 - 2020

Etkinlik Organizasyonlarındaki Görevler

Tuncer İ. H., Yaman Y., Kayran A., Uzol O., Gürses E., Perçin M., 10th Ankara International Aerospace Conference (AIAC2019), Bilimsel Kongre / Sempozyum Organizasyonu, Ankara, Türkiye, Eylül 2019

Tuncer İ. H., 31st International Conference on Parallel Computational Fluid Dynamics, Bilimsel Kongre / Sempozyum Organizasyonu, Antalya, Türkiye, Mayıs 2019

Mısırlıoğlu A., Tuncer İ. H., Yükselen A., 7. Ulusak Havacılık ve Uzay Konferansı, Bilimsel Kongre / Sempozyum Organizasyonu, Samsun, Türkiye, Eylül 2018

Akademik Dolaşım Faaliyetleri

Erasmus Programı, Ders Verme, Grand Valley State University, Amerika Birleşik Devletleri, 2018 - 2018

Erasmus Programı, Ders Verme, Technische Universitaet Graz, Avusturya, 2018 - 2018

Metrikler

Yayın: 136

Atıf (WoS): 567

Atıf (Scopus): 1104

H-İndeks (WoS): 11

H-İndeks (Scopus): 17

Kongre ve Sempozyum Katılımı Faaliyetleri

AIAA 2018 Joint Thermophysics and Heat Transfer Conference, Çalışma Grubu, Georgia, Amerika Birleşik Devletleri, 2018

30th International Conference on Parallel Computational Fluid Dynamics, Çalışma Grubu, Indiana, Amerika Birleşik Devletleri, 2018

15th International Bhurban Conference on Applied Sciences & Technology - IBCAST, Davetli Konuşmacı, Islamabad, Pakistan, 2018

Davetli Konuşmalar

KSCFE 25th Conference, Konferans, Korean Society for Computational Fluid Engineering, Güney Kore, Ekim 2020

Akademi Dışı Deneyim

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