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Personal Information

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International Researcher IDs

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ScopusID: 24400712600

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Education Information

Post Doctorate, The University of Bath, Engineering Faculty, Department Of Mechanical Engineering-Aerospace-Energy And Thermo-Sciences Research Group, England 2009 - 2010

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2005 - 2009

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2002 - 2005

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Eğiticinin Eğitimi, Türk Hava Yolları, 2005

IT, Autocad 2002, Makine Mühendisleri Odası, 2002

Dissertations

Doctorate, Kanat Profilleri Etrafındaki Düşük Re Sayılı Akışın Kontrolü ve Aerodinamik Performansın İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, 2009

Postgraduate, Yapıştırıcı ile Birleştirilmiş Tek Yönlü Tabakalı Kompozit Tek Bindirme Bağlantılarında Hasar Oluşumu ve Gelişimi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, 2005

Research Areas

Energy, Renewable energy, Mechanical Engineering, Energy, Fluid Mechanics, Wind power, Mechanical, Finite Element Methods, Computational fluid dynamics, Aeronautical and Space Engineering, Composites, Aerodynamics, Aeroelasticity, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2018 - Continues
Associate Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2013 - 2018
Assistant Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2009 - 2012
Lecturer, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2005 - 2009

Academic and Administrative Experience

TÜBİTAK ARDEB MAG Danışma Kurulu Üyesi, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2024 - Continues
Director of the Center, Erciyes University, Energy Conversions Research and Application Center, 2019 - Continues
Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü-Yenilenebilir Enerji Sistemleri Abd, 2017 - Continues
Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2009 - 2015
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, Pilotaj Bölümü, 2005 - 2008

Courses

Rüzgar Enerjisi Dönüştürme Sistemleri, Postgraduate, 2011 - 2012
Termodinamik-I, Undergraduate, 2012 - 2013
Mühendislik Etiği, Undergraduate, 2011 - 2012
İleri Akışkanlar Mekaniği, Postgraduate, 2011 - 2012
Fizik-I, Undergraduate, 2011 - 2012
Düşük Re Sayısı Aerodinamiği, Postgraduate, 2010 - 2011
Bilgisayar I ve II, Associate Degree, 2011 - 2012
Akışkanlar Mekaniği, Undergraduate, 2011 - 2012
Aerodinamik, Postgraduate, 2010 - 2011
Bil. Des. Tek. Resim-I ve II, Undergraduate, 2011 - 2012
Lineer Cebir, Undergraduate, 2011 - 2012
İstatistik, Undergraduate, 2010 - 2011
Teknolojinin Bilimsel İlkeleri, Associate Degree, 2010 - 2011
Bilgisayar, Undergraduate, 2008 - 2009
Gaz Türbinli Motorlar, Undergraduate, 2008 - 2009
Kompozit Malzemeler, Undergraduate, 2008 - 2009
Havaaracı Aerodinamiği ve Uçuş Kontrolleri, Undergraduate, 2008 - 2009
Uçuş Teorisi ve Kontrol Sistemleri, Undergraduate, 2008 - 2009
Kompozit Malzemelerin Hasarı, Undergraduate, 2008 - 2009
Aerodinamik, Undergraduate, 2008 - 2009
Havacılık Meteorolojisi-I ve II, Undergraduate, 2008 - 2009
Pistonlu Motorlar I ve II, Undergraduate, 2008 - 2009
Matematik, Undergraduate, 2008 - 2009
Alternatif Motor ve Yakıtlar, Associate Degree, 2008 - 2009
Motor Termodinamiği, Associate Degree, 2007 - 2008
Mühendislik Bilimi , Associate Degree, 2006 - 2007

Advising Theses

Genç M. S., DD, Postgraduate, R.ŞAHİN(Student), Continues

Genç M. S., Açikel H. H., Düşük Reynolds sayılı akışlarda farklı kambur kanat profilleri üzerindeki laminar ayrılma kabarcığının oluşumuna kanat profili kalınlığının etkisinin incelenmesi, Postgraduate, M.Ayvazoğlu(Student), Continues

Genç M. S., HİBRİT YENİLENEBİLİR ENERJİ SİSTEMLERİ İLE ELEKTRİK VE HİDROJEN ÜRETİMİNİN OPTİMİZASYONU, Doctorate, B.AKARSU(Student), Continues

Genç M. S., Azgın Ş. T., Erciyes Üniversitesi Kampüsünde Karbon Ayak İzinin Belirlenmesi, Postgraduate, F.BÜŞRA(Student), Continues

Genç M. S., -, Doctorate, M.Aktekin(Student), Continues

Genç M. S., EV TİPİ DAVLUMBAZ SİSTEMİ ENERJİ SEVİYESİNİN İYİLEŞTİRİLMESİ, Doctorate, E.GÜNDOĞDU(Student), Continues

Genç M. S., BB, Doctorate, İ.KAYALI(Student), Continues

Genç M. S., Düşük Reynolds sayılı akışlarda farklı simetrik kanat profilleri üzerindeki laminar ayrılma kabarcığının oluşumuna kanat profili kalınlığının etkisinin incelenmesi, Postgraduate, R.ŞAHİN(Student), Continues

Genç M. S., Çiftci C., YENİ NESİL RÜZGÂR TÜRBİNİ KANADININ DİNAMİK DAVRANIŞININ İNCELENMESİ, Postgraduate, A.ERDOĞAN(Student), Continues

Genç M. S., AA, Doctorate, S.KESKİN(Student), Continues

Genç M. S., Yerel ölçekli hibrit yenilenebilir enerji sistemleri için enerji depolama sistemlerinin optimizasyonu, Doctorate, M.KAAN(Student), Continues

Genç M. S., Jeotermal Enerji Kaynaklı Hibrit Yenilenebilir Enerji Sistemlerinde Enerji Depolama Sistemlerinin Optimizasyonu, Doctorate, A.BOZKURT(Student), Continues

Genç M. S., YENİ REJENERATİF FREN YAKLAŞIMI İLE ENERJİ DEPOLANMASI VE DÖNÜŞÜMÜ İÇİN YOL TOPOLOJİ OPTİMİZASYONU, Postgraduate, B.AYYILDIZ(Student), 2024

Genç M. S., BASINÇ YÜZEYİNE PLAKA YERLEŞTİRİLMİŞ KANAT PROFİLLİ RÜZGAR TÜRBİNİ, Doctorate, K.SEKHOUNE(Student), 2024

Genç M. S., RÜZGAR TÜRBİNİ KANADINDA KAMBUR BALİNA KANAT YAPISI UYGULANMASI VE OPTİMİZASYONU, Postgraduate, T.Murat(Student), 2022

Genç M. S., RÜZGAR TÜRBİNİ KANADINDA BÜTÜNLEŞİK FLAP-GİRDAP ÜRETİCİ MEKANİZMASININ AERODİNAMİK PERFORMANSA ETKİSİNİN İNCELENMESİ, Doctorate, M.ÖZDEN(Student), 2022

Genç M. S., Yeni Rejeneratif Fren Yaklaşımı ile Enerji Depolanması ve Dönüşümü için Yol Topoloji Optimizasyonu, Postgraduate, B.AYYILDIZ(Student), 2022

Genç M. S., NOKTASAL ÖLÇÜM YÖNTEMİ İLE ELDE EDİLEN RÜZGAR HIZ VE YÖN DEĞERLERİ KULLANILARAK ALANSAL RÜZGAR KESMESİ TAHMİNİ, Doctorate, E.KÜLÜM(Student), 2022

Genç M. S., RÜZGAR TÜRBİNİ KANATLARINDA ESNEKLİĞİN YERİ VE BOYUNUN DEĞİŞİMİ İLE AKIŞ KONTROL KABİLİYETİNİN İNCELENMESİ, Doctorate, K.KOCA(Student), 2022

Genç M. S., KÜÇÜK ÖLÇEKLİ KOMPOZİT RÜZGAR TÜRBİN KANADININ AERODİNAMİK-YAPISAL BÜTÜNLEŞİK TASARIMI, Doctorate, R.ÖZKAN(Student), 2021

Genç M. S., Türkiye'deki denizüstü rüzgar potansiyelinin teknik, çevresel ve sosyo-ekonomik analizi, Postgraduate, F.KARİPOĞLU(Student), 2021

Genç M. S., ESNEK KANAT ÜZERİNDE PİEZOELEKTRİK MALZEMELER KULLANILARAK MİKRO HAVA ARAÇLARI İÇİN ENERJİ ÜRETİM POTANSİYELİNİN İNCELENMESİ, Postgraduate, N.BAYRAMOĞLU(Student), 2020

Genç M. S., Karasu İ., DİKEY EKSENLİ RÜZGAR TÜRBİNİNDE FLAP KULLANIMININ AERODİNAMİK PERFORMANSA ETKİSİNİN İNCELENMESİ, Postgraduate, K.SEKHOUNE(Student), 2019

Genç M. S., RÜZGAR TÜRBİNİ SİSTEMLERİNDE ANLIK DEĞİŞEN RÜZGAR VERİLERİNE GÖRE GÜÇ-ENERJİ KALİTESİNİN İNCELENMESİ, Postgraduate, B.ATAZHANOV(Student), 2019

GENÇ M. S., ESNEK KANATLARIN DÜŞÜK REYNOLDS SAYILARINDA KARARSIZ AERODİNAMİĞİNİN İNCELENMESİ, Doctorate, H.DEMİR(Student), 2018

GENÇ M. S., RÜZGAR TÜRBİNİ KANADI ÜZERİNDEKİ AKIŞIN ESNEKLİK İLE KONTROLÜ, Doctorate, H.Hakan(Student), 2018

GENÇ M. S., RÜZGAR TÜRBİNLERİNDE KULLANILAN DIŞ DIŞLI POMPALARDA DIŞLI MODİFİKASYONLARINDA VOLÜMETRİK VERİM VE KAVİTASYON ÜZERİNE ETKİSİNİN İNCELENMESİ, Postgraduate, A.İLBAŞ(Student), 2018

GENÇ M. S., GERÇEK BİR RÜZGAR SANTRALİ VERİLERİNİN ANALİZİ, Postgraduate, B.AKARSU(Student), 2017

GENÇ M. S., ENERJİ VERİMLİLİĞİ ARTTIRILMIŞ VAKUM KATMANLI FIRIN ÖN CAM TASARIMI, Postgraduate, E.YILDIZ(Student), 2017

GENÇ M. S., Rüzgâr hızı ve yönünün yük hücreleri kullanılarak eşzamanlı olarak ölçülmesi, Doctorate, F.KARAGÖZ(Student), 2017

GENÇ M. S., Farklı açıklık oranlarına sahip NACA4412 kanat profili etrafındaki akışın deneysel ve sayısal incelenmesi, Postgraduate, M.ÖZDEN(Student), 2017

GENÇ M. S., Rüzgar türbini kanadı etrafındaki akışın pürüzlülük elemanları ile kontrolü, Postgraduate, K.KOCA(Student), 2016

GENÇ M. S., Düşük Reynolds sayılı akışlarda kanat üzerinde kararsız aerodinamiğin incelenmesi, Postgraduate, G.ÖZKAN(Student), 2016

GENÇ M. S., Rüzgar türbini kanadının aeroelastik davranışının incelenmesi, Postgraduate, S.MANTICI(Student), 2015

GENÇ M. S., MİKRO HAVA ARAÇLARINDA YUNUSLAMA HAREKETİ SONUCU OLUŞAN AERODİNAMİK PARAMETRELERİN ROBOTİK SİSTEMDE TESPİTİ, Postgraduate, M.UZUN(Student), 2015

GENÇ M. S., KAYSERİ-PINARBAŞI RÜZGAR POTANSİYELİNE UYGUN MİKRO ÖLÇEKLİ RÜZGAR TÜRBİNİ AERODİNAMİK TASARIMI VE OPTİMİZASYONU, Postgraduate, O.KOŞAR(Student), 2014

GENÇ M. S., BİR ENERJİ SİSTEMİNDE YANMA VERİMİ VE ISI İLETİM HATLARININ İYİLEŞTİRİLMESİ İLE ENERJİ İLE ENERJİ VERİMLİLİĞİ ARTIRILMASI, Postgraduate, H.BULANIKOĞLU(Student), 2014

GENÇ M. S., SCRAMJET MOTORLARI İÇİN DENEY TASARIMI METODLARINI KULLANARAK KAVRAMSAL TASARIM YÖNTEMİNİN GELİŞTİRİLMESİ, Postgraduate, M.Tuğrul(Student), 2013

GENÇ M. S., DÜŞÜK REYNOLDS SAYILI AKIŞLARDA KANAT PROFİLİ ÜZERİNDEKİ AKIŞA SES DALGALARININ ETKİSİNİN DENEYSEL İNCELENMESİ, Postgraduate, H.Hakan(Student), 2013

GENÇ M. S., Kayseri İlinde Güneş Enerjisi ile Sulama Sistemi Maliyet Analizi, Postgraduate, S.Samed(Student), 2012

GENÇ M. S., Düşük Reynolds Sayılı Akışlarda Kanat Profili Üzerinde Türbülansa Geçişin ve Laminer Ayrılma Kabarcığının Deneysel ve Sayısal İncelenmesi, Postgraduate, İ.KARASU(Student), 2011

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Atama, Bayburt Üniversitesi, September, 2017

Doctorate, Doktora Savunma, Gaziantep Üniversitesi, July, 2017

Post Graduate, Tez Savunma, Cumhuriyet Üniversitesi, January, 2016

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Atama, Aksaray Üniversitesi, November, 2015

Doctorate, Doktora Yeterlilik, Gaziantep Üniversitesi, June, 2015

Post Graduate, Yüksek Lisans, Cumhuriyet Üniversitesi, June, 2015

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Atama, Gaziantep Üniversitesi, February, 2015

Doctorate, Doktora Savunma, Çukurova Üniversitesi, November, 2014

Doctorate, Doktora, Çukurova Üniversitesi, February, 2013

Post Graduate, Yüksek lisans, Erciyes Üniversitesi, January, 2013

Post Graduate, Yüksek lisans, Selçuk üniversitesi, December, 2012

Academic Staff Examination, Öğretim görevlisi, Erciyes Üniversitesi, September, 2012

Post Graduate, Yüksek Lisans, Aksaray Üniversitesi, February, 2012

Post Graduate, Yüksek Lisans, Erciyes Üniversitesi, August, 2011

Post Graduate, Yüksek Lisans, Aksaray Üniversitesi, February, 2011

Doctorate, Doktora, İstanbul Teknik Üniversitesi, October, 2010

Academic Staff Examination, Araştırma Görevlisi, Erciyes Üniversitesi, August, 2009

Research Infrastructure Information

Genç M. S., Wind Engineering and Aerodynamics Research Laboratory, September 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Determination of hydrogen fuel production from GIS-based selected ponds using hybrid renewable energy systems in Kayseri**
KESKİN S., İpekli Z., GENÇ M. S., GENÇ G.
Process Safety and Environmental Protection, vol.191, pp.2623-2633, 2024 (SCI-Expanded)
- II. **Optimization of energy and hydrogen storage systems in geothermal energy sourced hybrid renewable energy system**
Bozkurt A., Genç M. S.
Process Safety and Environmental Protection, vol.189, pp.1052-1060, 2024 (SCI-Expanded)
- III. **Assessing waste-to-energy potential and landfill site suitability via a holistic approach**
Genç M. S., Azgın Ş. T., İpekli Z.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.189, pp.343-355, 2024 (SCI-Expanded)
- IV. **Offshore and Onshore Renewable Energy System Modelling to Meet the Energy Demand of Megacity Istanbul**
İpekli Z., Keskin S., Genç M. S., Genç G.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.1, no.1, pp.1-11, 2024 (SCI-Expanded)
- V. **Measurements of Flow Characterization Revealing Transition to Turbulence Associated with the Partial Flexibility-Based Flow Control at Low Reynolds Number**
Koca K., Keskin S., Şahin R., Veerasamy D., Genç M. S.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2024 (SCI-Expanded)
- VI. **Optimization study of an energy storage system supplied solar and wind energy sources for green campus**
Kaan M., Bozkurt A., Genç M. S., Genç G.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.190, no.part A, pp.863-872, 2024 (SCI-Expanded)
- VII. **Role of Partial Flexibility on Flow Evolution and Aerodynamic Power Efficiency over a Turbine Blade Airfoil**
Koca K., Genç M. S.
Aerospace, vol.11, no.7, pp.1-25, 2024 (SCI-Expanded)
- VIII. **Assessment of techno-economic analyzes of grid-connected nuclear and PV/wind/battery/hydrogen renewable hybrid system for sustainable and clean energy production in Mersin-Türkiye**
Aktekin M., Genç M. S., Azgın Ş. T., Genç G.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.190, no.Part A, pp.340-353, 2024 (SCI-Expanded)
- IX. **Multi-criteria analysis on the simulation-based optimal design of a new stack-type natural ventilation system for industrial buildings**
Kayapınar O., Arslan A., Arslan O., Serdar Genç M. S.
THERMAL SCIENCE AND ENGINEERING PROGRESS, vol.51, 2024 (SCI-Expanded)
- X. **Hybrid modeling for the multi-criteria decision making of energy systems: An application for geothermal district heating system**
Arslan A. E., Arslan O., Genç M. S.
ENERGY, vol.286, pp.1-10, 2024 (SCI-Expanded)
- XI. **Evaluation of wind measurement methods for determination of realistic wind shear: A case study in Aksaray, Turkey**
Külüm E., GENÇ M. S., Karagöz F.
Flow Measurement and Instrumentation, vol.93, 2023 (SCI-Expanded)
- XII. **Passive Flow Control Application Using Single and Double Vortex Generator on S809 Wind Turbine**

Airfoil

Özden M., GENÇ M. S., KOCA K.

Energies, vol.16, no.14, 2023 (SCI-Expanded)

- XIII. **Investigation of the effect of hidden vortex generator-flap integrated mechanism revealed in low velocities on wind turbine blade flow**
Ozden M., GENÇ M. S., KOCA K.
ENERGY CONVERSION AND MANAGEMENT, vol.287, 2023 (SCI-Expanded)
- XIV. **Aerodynamic design and optimization of a small-scale wind turbine blade using a novel artificial bee colony algorithm based on blade element momentum (ABC-BEM) theory**
Ozkan R., GENÇ M. S.
ENERGY CONVERSION AND MANAGEMENT, vol.283, 2023 (SCI-Expanded)
- XV. **Investigation of the Mechanical Behavior of a New Generation Wind Turbine Blade Technology**
ÇİFTÇİ C., Erdogan A., GENÇ M. S.
ENERGIES, vol.16, no.4, 2023 (SCI-Expanded)
- XVI. **Experimental flow control investigation over suction surface of turbine blade with local surface passive oscillation**
Koca K., Genç M. S., Veerasamy D., Ozden M.
OCEAN ENGINEERING, vol.266, 2022 (SCI-Expanded)
- XVII. **Impact of local flexible membrane on power efficiency stability at wind turbine blade**
KOCA K., GENÇ M. S., Ertürk S.
Renewable Energy, vol.197, pp.1163-1173, 2022 (SCI-Expanded)
- XVIII. **GIS-based optimal site selection for the solar-powered hydrogen fuel charge stations**
Karipoğlu F., Serdar Genç M. S., Akarsu B.
FUEL, vol.324, no.Part B, pp.1-8, 2022 (SCI-Expanded)
- XIX. **Optimization of electricity and hydrogen production with hybrid renewable energy systems**
Akarsu B., Serdar Genç M. S.
FUEL, vol.324, no.Part A, pp.1-9, 2022 (SCI-Expanded)
- XX. **Experimental study of the wind turbine airfoil with the local flexibility at different locations for more energy output**
Koca K., GENÇ M. S., Bayir E., Soguksu F. K.
ENERGY, vol.239, 2022 (SCI-Expanded)
- XXI. **Mapping of laminar separation bubble and bubble-induced vibrations over a turbine blade at low Reynolds numbers**
KOCA K., GENÇ M. S., Ozkan R.
OCEAN ENGINEERING, vol.239, 2021 (SCI-Expanded)
- XXII. **Suitable site selection for offshore wind farms in Turkey's seas: GIS-MCDM based approach**
Genç M. S., Karipoglu F., Koca K., Azgin Ş. T.
EARTH SCIENCE INFORMATICS, vol.14, no.3, pp.1213-1225, 2021 (SCI-Expanded)
- XXIII. **Experimental analysis of fluid-structure interaction in flexible wings at low Reynolds number flows**
Genç M. S., Demir H., Ozden M., Bodur T. M.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.93, no.6, pp.1060-1075, 2021 (SCI-Expanded)
- XXIV. **Multi-objective structural optimization of a wind turbine blade using NSGA-II algorithm and FSI**
Ozkan R., GENÇ M. S.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.93, no.6, pp.1029-1042, 2021 (SCI-Expanded)
- XXV. **Effect of partial flexibility over both upper and lower surfaces to flow over wind turbine airfoil**
Genç M. S., Açıkel H. H., Koca K.
Energy Conversion and Management, vol.219, 2020 (SCI-Expanded)
- XXVI. **Experimental investigation of the ground effect on a wing without/with trailing edge flap**
Ozden K. S., Karasu I., GENÇ M. S.
Fluid Dynamics Research, vol.52, no.4, pp.1-20, 2020 (SCI-Expanded)
- XXVII. **A review of the legal framework in shallow geothermal energy in selected European countries: Need**

for guidelines

Tsagarakis K. P., Efthymiou L., Michopoulos A., Mavragani A., Anđelković A. S., Antolini F., Bacic M., Bajare D., Baralis M., Bogusz W., et al.

Renewable Energy, vol.147, pp.2556-2571, 2020 (SCI-Expanded)

XXVIII. Investigation of pre-stall flow control on wind turbine blade airfoil using roughness element

Genç M. S., Koca K., Açıkel H. H.

Energy, vol.176, pp.320-334, 2019 (SCI-Expanded)

XXIX. Control of laminar separation bubble over wind turbine airfoil using partial flexibility on suction surface

AÇIKEL H. H., GENÇ M. S.

ENERGY, vol.165, pp.176-190, 2018 (SCI-Expanded)

XXX. Performance Assessment of Transition Models for Three-Dimensional Flow Over NACA4412 Wings at Low Reynolds Numbers

KARASU I., ÖZDEN M., GENÇ M. S.

JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.140, no.12, 2018 (SCI-Expanded)

XXXI. Interaction of tip vortex and laminar separation bubble over wings with different aspect ratios under low Reynolds numbers

GENÇ M. S., ÖZKAN G., ÖZDEN M., KIRIŞ M. S., YILDIZ R.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.232, no.22, pp.4019-4037, 2018 (SCI-Expanded)

XXXII. Identification of flow phenomena over NACA 4412 wind turbine airfoil at low Reynolds numbers and role of laminar separation bubble on flow evolution

KOCA K., GENÇ M. S., AÇIKEL H. H., ÇAĞDAŞ M., BODUR T. M.

ENERGY, vol.144, pp.750-764, 2018 (SCI-Expanded)

XXXIII. An experimental investigation of laminar separation bubble formation on flexible membrane wing

Demir H., Genç M. S.

EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, vol.65, pp.326-338, 2017 (SCI-Expanded)

XXXIV. A drag force anemometer using finite length cylinder with direction measurement capability

DALDABAN F., KARAGOZ F., GENÇ M. S.

MEASUREMENT, vol.104, pp.117-122, 2017 (SCI-Expanded)

XXXV. Flow control with perpendicular acoustic forcing on NACA 2415 aerofoil at low Reynolds numbers

AÇIKEL H. H., GENÇ M. S.

Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, vol.230, no.13, pp.2447-2462, 2016 (SCI-Expanded)

XXXVI. Acoustic Control of Flow over NACA 2415 Airfoil at Low Reynolds Numbers

GENÇ M. S., AÇIKEL H. H., Akpolat M. T., ÖZKAN G., Karasu I.

Journal of Aerospace Engineering, vol.29, no.6, 2016 (SCI-Expanded)

XXXVII. Unsteady aerodynamics and flow-induced vibrations of a low aspect ratio rectangular membrane wing with excess length

GENÇ M. S.

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Memberships / Tasks in Scientific Organizations

RÜZGAR ENERJİSİ ARAŞTIRMA MERKEZİ, Member, 2016 - Continues
TMMOB, Makine Mühendisleri Odası, Member, 2010 - Continues
Türk Isı Bilimi ve Tekniği Derneği, Member, 2009 - Continues
Associate Member, Member, 2008 - Continues

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Genç M. S., Açikel H. H., Silver Medal for the Invent of "AN AIRFOIL INCREASED AERODYNAMIC PERFORMANCE WITH FLEXIBILITY", Türk Patent, September 2018
GENÇ M. S., Best Presentation Award, 2nd INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE ICAS 2017, September 2017
GENÇ M. S., Best Presentation Award in the First Day of Conference, University of Liberec, November 2015
GENÇ M. S., Bilimsel Yayın Onur Ödülü, Erc. Ün. Mühendislik Fakültesi, June 2013
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GENÇ M. S., Övgüye Değer Doktora Ödülü, Teorik ve Uygulamalı Mekanik Türk Milli Komitesi, June 2009

Non Academic Experience

MSG Teknoloji Limited Şirketi
Other Public Institution, Bilimsel Ve Teknik İşbirliği Alanında Avrupa İşbirliği (Cost) Programı, Yönetim Kurulu Üyesi
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