

Prof. MUSTAFA SERDAR GENÇ

Personal Information

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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, United Kingdom 2009 - 2010

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

Post Graduate, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2002 - 2005

Under Graduate, Erciyes Üniversitesi, 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

Post Graduate, 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

Technical Sciences, Electrical and Electronics Engineering, Energy, Renewable energy, Mechanical Engineering, Energy, Fluid Mechanics, Wind power, Mechanical, Finite Element Methods, Thermodynamics, Computational fluid dynamics, Aeronautical and Space Engineering, Metallurgical and Materials Engineering, Material science and engineering, Composites, Aeronautical Engineering , Flight Sciences, Structural Technologies, Aerodynamics, Aeroelasticity

Academic Titles / Tasks

Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2018 - Continues

Associate Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2012 - 2018

Assistant Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği , 2009 - 2012
Lecturer, Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor Bölümü, 2005 - 2009

Professional Experience

Director of the Center, Erciyes University, Energy Conversions Research and Application Center, 2019 - Continues
Head of Department, Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü-Yenilenebilir Enerji Sistemleri Abd, 2017 - Continues
Deputy Head of Department, Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2009 - 2015
Head of Department, Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, Pilotaj Bölümü, 2005 - 2008

Courses

Rüzgar Enerjisi Dönüştürme Sistemleri, Post Graduate, 2011 - 2012
Termodinamik-I, Under Graduate, 2012 - 2013
Mühendislik Etiği, Under Graduate, 2011 - 2012
İleri Akışkanlar Mekaniği, Post Graduate, 2011 - 2012
Fizik-I, Under Graduate, 2011 - 2012
Düşük Re Sayısı Aerodinamiği, Post Graduate, 2010 - 2011
Bilgisayar I ve II, Associate Degree, 2011 - 2012
Akışkanlar Mekaniği, Under Graduate, 2011 - 2012
Aerodinamik, Post Graduate, 2010 - 2011
Bil. Des. Tek. Resim-I ve II, Under Graduate, 2011 - 2012
Lineer Cebir, Under Graduate, 2011 - 2012
İstatistik, Under Graduate, 2010 - 2011
Teknolojinin Bilimsel İlkeleri, Associate Degree, 2010 - 2011
Bilgisayar, Under Graduate, 2008 - 2009
Gaz Türbinli Motorlar, Under Graduate, 2008 - 2009
Kompozit Malzemeler, Under Graduate, 2008 - 2009
Havaaracı Aerodinamiği ve Uçuş Kontrolleri, Under Graduate, 2008 - 2009
Uçuş Teorisi ve Kontrol Sistemleri, Under Graduate, 2008 - 2009
Kompozit Malzemelerin Hasarı, Under Graduate, 2008 - 2009
Aerodinamik, Under Graduate, 2008 - 2009
Havacılık Meteorolojisi-I ve II, Under Graduate, 2008 - 2009
Pistonlu Motorlar I ve II, Under Graduate, 2008 - 2009
Matematik, Under Graduate, 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. , RÜZGAR TÜRBİNİ KANATLARINDA ESNEKLİĞİN YERİ VE BOYUNUN DEĞİŞİMİ İLE AKIŞ KONTROL KABİLİYETİNİN İNCELENMESİ, Doctorate, K.KOCA(Student), Continues
GENÇ M. S. , ESNEK KANAT ÜZERİNDE PİEZOELEKTRİK MALZEMELER KULLANILARAK MİKRO HAVA ARAÇLARI İÇİN ENERJİ ÜRETİM POTANSİYELİNİN İNCELENMESİ, Post Graduate, N.BAYRAMOĞLU(Student), Continues
GENÇ M. S. , Tez Önerisi hazırlıyor, Doctorate, M.ÖZDEN(Student), Continues

GENÇ M. S. , Ders aşaması, Doctorate, B.AKARSU(Student), Continues

GENÇ M. S. , KÜÇÜK ÖLÇEKLİ KOMPOZİT RÜZGAR TÜRBİNİ KANADININ AERODİNAMİK-YAPISAL BÜTÜNLEŞİK TASARIMI, Doctorate, R.ÖZKAN(Student), Continues

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

Genç M. S. , RÜZGAR TÜRBİNİ SİSTEMLERİNDE ANLIK DEĞİŞEN RÜZGAR VERİLERİNE GÖRE GÜÇ-ENERJİ KALİTESİNİN İNCELENMESİ, Post Graduate, 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, Post Graduate, A.İLBAŞ(Student), 2018

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

GENÇ M. S. , ENERJİ VERİMLİLİĞİ ARTTIRILMIŞ VAKUM KATMANLI FIRIN ÖN CAM TASARIMI, Post Graduate, 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, Post Graduate, M.ÖZDEN(Student), 2017

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

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

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

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

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

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

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

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

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

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

Jury Memberships

Appointment Academic Staff, Yardımcı Doçentlik Atama, Bayburt Üniversitesi, September, 2017

Doctorate, Doktora Savunma, Gaziantep Üniversitesi, July, 2017

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

Appointment Academic Staff, Yardımcı Doçentlik Atama, Aksaray Üniversitesi, November, 2015

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

Doctorate, Doktora Yeterlilik, Gaziantep Üniversitesi, June, 2015

Appointment Academic Staff, 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

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Effect of partial flexibility over both upper and lower surfaces to flow over wind turbine airfoil**
GENÇ M. S. , AÇIKEL H. H. , KOCA K.
ENERGY CONVERSION AND MANAGEMENT, vol.219, no.113042, 2020 (Journal Indexed in SCI)
- **Experimental investigation of the ground effect on a wing without/with trailing edge flap**
Özden K. S. , Karasu İ., Genç M. S.
Fluid Dynamics Research, vol.52, pp.1-20, 2020 (Journal Indexed in SCI Expanded)
- **A Review of the Legal Framework in Shallow Geothermal Energy in Selected European Countries: Need for Guidelines**
Tsagarakis K. P. , Efthymiou L., Michopoulos A., Genç M. S. , Koca K.
RENEWABLE ENERGY, vol.147, pp.2556-2571, 2020 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **Performance Assessment of Transition Models for Three-Dimensional Flow Over NACA4412 Wings at Low Reynolds Numbers**
KARASU İ., ÖZDEN M., GENÇ M. S.
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.140, 2018 (Journal Indexed in SCI)
- **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, pp.4019-4037, 2018 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **An experimental investigation of laminar separation bubble formation on flexible membrane wing**
DEMİR H., GENÇ M. S.
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, vol.65, pp.326-338, 2017 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **Acoustic Control of Flow over NACA 2415 Airfoil at Low Reynolds Numbers**
GENÇ M. S. , AÇIKEL H. H. , Akpolat M. T. , ÖZKAN G., Karasu İ.
JOURNAL OF AEROSPACE ENGINEERING, vol.29, 2016 (Journal Indexed in SCI)

- **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, pp.2447-2462, 2016 (Journal Indexed in SCI)
- **Unsteady aerodynamics and flow-induced vibrations of a low aspect ratio rectangular membrane wing with excess length**
GENÇ M. S.
EXPERIMENTAL THERMAL AND FLUID SCIENCE, vol.44, pp.749-759, 2013 (Journal Indexed in SCI)
- **A review on wind energy and wind-hydrogen production in Turkey: A case study of hydrogen production via electrolysis system supplied by wind energy conversion system in Central Anatolian Turkey**
GENÇ M. S. , Çelik M., Karasu I.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.16, pp.6631-6646, 2012 (Journal Indexed in SCI)
- **Transient thermal stress distribution in a circular pipe heated externally with a periodically moving heat source**
Ozisik G., GENÇ M. S. , YAPICI H.
INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING, vol.99, pp.9-22, 2012 (Journal Indexed in SCI)
- **Cost analysis of wind-electrolyzer-fuel cell system for energy demand in Pinarbasi-Kayseri**
GENÇ G., Celik M., GENÇ M. S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, pp.12158-12166, 2012 (Journal Indexed in SCI)
- **An experimental study on aerodynamics of NACA2415 aerofoil at low Re numbers**
GENÇ M. S. , KARASU I., AÇIKEL H. H.
EXPERIMENTAL THERMAL AND FLUID SCIENCE, vol.39, pp.252-264, 2012 (Journal Indexed in SCI)
- **Flow-induced vibrations of low aspect ratio rectangular membrane wings**
Rojratsirikul P., Genc M. S. , Wang Z., Gursul I.
JOURNAL OF FLUIDS AND STRUCTURES, vol.27, pp.1296-1309, 2011 (Journal Indexed in SCI)
- **Economic Viability of Water Pumping Systems Supplied by Wind Energy Conversion and Diesel Generator Systems in North Central Anatolia, Turkey**
Genc M. S.
JOURNAL OF ENERGY ENGINEERING-ASCE, vol.137, pp.21-35, 2011 (Journal Indexed in SCI)
- **Performance of transition model for predicting low Re aerofoil flows without/with single and simultaneous blowing and suction**
GENÇ M. S. , Kaynak U., YAPICI H.
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, vol.30, pp.218-235, 2011 (Journal Indexed in SCI)
- **Non-uniform temperature gradients and thermal stresses produced by a moving heat flux applied on a hollow sphere**
Yapici H., Ozisik G., GENÇ M. S.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.35, pp.195-213, 2010 (Journal Indexed in SCI)
- **Numerical simulation of flow over a thin aerofoil at a high Reynolds number using a transition model**
Genc M. S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.224, pp.2155-2164, 2010 (Journal Indexed in SCI)
- **Evaluation of electricity generation and energy cost of wind energy conversion systems (WECSs) in Central Turkey**
Gökçek M., GENÇ M. S.
APPLIED ENERGY, vol.86, pp.2731-2739, 2009 (Journal Indexed in SCI)
- **A numerical study of the thermally induced stress distribution in a rotating hollow disc heated by a moving heat source acting on one of the side surfaces**
GENÇ M. S. , OZISIK G., YAPICI H.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.223, pp.1877-1887, 2009 (Journal Indexed in SCI)

● **Evaluation of Wind Characteristics and Energy Potential in Kayseri, Turkey**

GENÇ M. S. , Goekcek M.

● JOURNAL OF ENERGY ENGINEERING-ASCE, vol.135, pp.33-43, 2009 (Journal Indexed in SCI)

● **Flow over an aerofoil without and with a leading-edge slat at a transitional Reynolds number**

GENÇ M. S. , Kaynak U., Lock G. D.

● PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, vol.223, pp.217-231, 2009 (Journal Indexed in SCI)

● **TEMPERATURE AND THERMAL STRESS DISTRIBUTION IN A PLATE HEATED FROM ONE SIDE SURFACE WITH A MOVING HEAT SOURCE**

Ozisik G., Genc M. S.

● JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, pp.601-610, 2008 (Journal Indexed in SCI)

● **Transient temperature and thermal stress distributions in a hollow disk subjected to a moving uniform heat source**

Yapici H., GENÇ M. S. , Ozisik G.

● JOURNAL OF THERMAL STRESSES, vol.31, pp.476-493, 2008 (Journal Indexed in SCI)

● **Investigation of aerodynamics performance of NACA00-12 aerofoil with plain**

GENÇ M. S. , Ozisik G., KAHRAMAN N.

● ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.28, pp.1-8, 2008 (Journal Indexed in SCI)

● **Progressive damage modeling of an adhesively bonded composite single lap joint under flexural loads at the mesoscale level**

Apalak Z. G. , Apalak M. K. , Genc M. S.

● JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.26, pp.903-953, 2007 (Journal Indexed in SCI)

● **Progressive damage modeling of an adhesively bonded unidirectional composite single-lap joint in tension at the mesoscale level**

Apalak Z. G. , Apalak M. K. , Genc M. S.

JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.19, pp.671-702, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

● **Electricity Production from Piezoelectric Patches Mounted over Flexible Membrane Wing at Low Reynolds Numbers (In Press)**

Bayramoğlu N., Genç M. S. , Koca K., Altunal A.

● Sigma Journal of Engineering and Natural Sciences, vol.0, 2020 (Journal Indexed in ESCI)

● **Improvement of Mechanical Behaviour of Wind Turbine Blade Using Nanofluid-Graphene and/or Glass Fiber in Epoxy Resin (In Press)**

Ergüner A., Özkan R., Koca K., Genç M. S.

● Sigma Journal of Engineering and Natural Science, vol.0, 2020 (Journal Indexed in ESCI)

● **Effects of Thickness and Camber Ratio on Flow Characteristics over Airfoils**

Karasu İ., Açikel H. H. , Koca K., Genç M. S.

● JOURNAL OF THERMAL ENGINEERING, vol.6, pp.242-252, 2020 (Journal Indexed in ESCI)

● **Dikey Eksenli Rüzgâr Türbinleri-Küçük Ölçekli Uygulamalar**

KELEŞ ÇETİN S., GENÇ M. S. , DALDABAN F.

● Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.6, pp.539-551, 2019 (Refereed Journals of Other Institutions)

● **Electricity Production from Wind Energy By Piezoelectric Material**

BÜYÜKKESKİN İ., TEKİN S. A. , GÜREL S., GENÇ M. S.

International Journal of Renewable Energy Development, vol.8, pp.41-46, 2019 (Refereed Journals of Other Institutions)

● **Experimental Investigation of Surface Roughness Effect over Wind Turbine Airfoil**

Koca K., Genç M. S. , Açıkel H. H.

Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.31, pp.127-133, 2016 (National Refreed University Journal)

● **Numerical Study on Low Reynolds Number Flows over an aerofoil**

KARASU İ., GENÇ M. S. , AÇIKEL H. H.

Applied Mechanical Engineering, vol.2, no.131, pp.1-7, 2013 (Refereed Journals of Other Institutions)

Books & Book Chapters

● **Acoustic Control of Flow over NACA2415 Aerofoil at Low Reynolds Numbers**

GENÇ M. S. , KARASU İ., AÇIKEL H. H. , AKPOLAT M. T. , Özkan G.

in: Sustainable Aviation Energy and Environmental Issues, Karakoc, T.H., Ozerdem, M.B., Sogut, M.Z., Colpan, C.O., Altuntas, O., Açıkkalp, E., Editor, Springer International Publishers, Zürich, pp.375-420, 2016

● **Low Reynolds Number Aerodynamics and Transition**

GENÇ M. S.

Intech-Open Access Publishing, Rijeka, 2012

● **Low Reynolds Number Flows and Transition**

GENÇ M. S. , KARASU İ., AÇIKEL H. H. , AKPOLAT M. T.

in: Low Reynolds Number Aerodynamics and Transition, Mustafa Serdar GENÇ, Editor, Intech-Open Access Publishing, Rijeka, pp.3-28, 2012

● **Transition at Low-Re Numbers for Some Airfoils at High Subsonic Mach Numbers**

KAYNAK Ü., Çakmakcioğlu S. Ç. , GENÇ M. S.

in: Low Reynolds Number Aerodynamics and Transition, Mustafa Serdar GENÇ, Editor, Intech-Open Access Publishing, Rijeka, pp.79-96, 2012

● **Economic Analysis of Large-Scale Wind Energy Conversion Systems in Central Anatolian Turkey**

GENÇ M. S.

in: Clean Energy Systems and Experiences, Kei Eguchi, Editor, Intech-Sciyo Publishing, Rijeka, pp.131-154, 2010

Refereed Congress / Symposium Publications in Proceedings

● **EXPERIMENTAL INVESTIGATION ON CAPACITY OF ELECTRICITY GENERATION OF PIEZOELECTRIC PATCHES MOUNTED OVER FLEXIBLE MEMBRANE WING**

BAYRAMOĞLU N., GENÇ M. S. , KOCA K., ALTUNAL A.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 17 - 19 December 2019

● **EXPERIMENTAL INVESTIGATION OF NANOFLUID (GRAPHENE) REINFORCED COMPOSITE WIND TURBINE BLADES**

ÖZKAN R., Ergüner A., GENÇ M. S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 17 - 19 December 2019

● **AN EXPERIMENTAL AND NUMERICAL STUDY OF FLOW OVER NACA PROFILE WITH WAVY LEADING EDGE MODIFICATION**

Guzey K., Bahadır S., Yalçın B., Koçak E., GENÇ M. S. , AYLI İNCE Ü. E.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 17 - 19 December 2019

● **IMPROVEMENT OF COMPOSITE WIND TURBINE BLADE PROPERTIES USING GLASS FIBER AND NANOFLUID-GRAPHENE**

KOCA K., Ergüner A., GENÇ M. S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 17 - 19 December 2019

● **Experimental Investigation on Effect of Partial Flexibility at Low Aspect Ratio Airfoil - Part II: Installation both on Suction and Pressure Surface**

KOCA K., GENÇ M. S. , AÇIKEL H. H.

Experimental fluid mechanics 2019, 19 - 22 November 2019

● **Numerical investigation on NACA0012 airfoil with tubercular structure**

AÇIKEL H. H. , Tosun M., GENÇ M. S. , KOCA K.

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Memberships / Tasks in Scientific Organizations

RÜZGAR ENERJİSİ ARAŞTIRMA MERKEZİ, Member, 2016 - Continues
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