

Prof. SERKAN ÖZGEN

Personal Information

Office Phone: [+90 312 210 4273](tel:+903122104273)

Fax Phone: [+90 312 210 4250](tel:+903122104250)

Email: sozgen@metu.edu.tr

Other Email: serkan.ozgen@ae.metu.edu.tr

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

Education Information

Post Graduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Havacılık Mühendisliği (YI) (Tezli), Turkey 2012 - 2016

Doctorate, Université Libre De Bruxelles, Faculté Des Sciences Appliquées, Belgium 1995 - 1999

Post Graduate, Von Karman Institute, Aerospace Department, Belgium 1994 - 1995

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, Turkey 1987 - 1992

Foreign Languages

French, B2 Upper Intermediate

English, C1 Advanced

Dissertations

Doctorate, Two-layer flow stability in Newtonian and non-Newtonian fluids, Université Libre De Bruxelles, Faculté Des Sciences Appliquées, 1999

Post Graduate, Stability of parallel non-Newtonian flows, Von Karman Institute, Aerospace Department, 1995

Post Graduate, Interactive boundary layer calculation over an airfoil and its resulting wake, Middle East Technical University, Graduate School of Natural and Applied Sciences, Havacılık Mühendisliği (YI) (Tezli), 1994

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2009 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2007 - 2009

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2000 - 2007

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2000 - 2000

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 1992 - 1994

Professional Experience

Vice Dean, Middle East Technical University, Faculty of Engineering, 2009 - 2012

University Executive Board Member, Middle East Technical University, Faculty of Engineering, 2003 - 2006

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2001 - 2006

Advising Theses

ÖZGEN S., Investigation of inviscid shear layer by linear stability theories, Post Graduate, A.EMRE(Student), 2018

ÖZGEN S., TUNCER İ. H. , Ice accretion prediction on wind turbine blades and aerodynamic shape optimization for minimizing power production losses, Doctorate, Ö.YIRTICI(Student), 2018

ÖZGEN S., Ice accretion prediction with mixed phase cloud particles, Doctorate, E.AYAN(Student), 2017

ÖZGEN S., In-flight icing simulation on engine nacelles, Post Graduate, N.UĞUR(Student), 2017

ÖZGEN S., Conceptual design of a hybrid (turbofan/solar) powered hawkeye UAV, Post Graduate, E.MERMER(Student), 2016

ÖZGEN S., Wave drag optimization of high speed aircraft, Post Graduate, C.ÇITAK(Student), 2015

ÖZGEN S., Experimental investigation of morphing wing aerodynamics by force measurements and particle image velocimetry, Post Graduate, Ö.SİNEM(Student), 2015

ÖZGEN S., Measurement of lift and drag in morphing wings using a high precision load cell, Post Graduate, M.HARUN(Student), 2015

ÖZGEN S., Application of spring analogy mesh deformation technique in airfoil design optimization, Post Graduate, Y.YANG(Student), 2015

ÖZGEN S., Aerodynamic optimization of missile external configurations, Post Graduate, K.ARSLAN(Student), 2014

ÖZGEN S., Aerodynamic modelling and optimization of morphing wings, Doctorate, D.SİNAN(Student), 2014

ÖZGEN S., Air data system calibration for military transport aircraft modernization program, Post Graduate, H.ERMAN(Student), 2013

ÖZGEN S., UZOL O., Parametric investigation of spray characteristics using interferometric particle imaging technique, Post Graduate, N.ERKİN(Student), 2009

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

ÖZGEN S., ULUDAĞ Y., Development of de-icing and anti-icing solutions for aircraft on ground and analysis of their flow instability characteristics, Post Graduate, D.SİNAN(Student), 2008

ÖZGEN S., UZOL O., Experimental investigation of near and far field flow characteristics of circular and non-circular turbulent jets, Post Graduate, G.TAŞAR(Student), 2008

ÖZGEN S., Development of a dynamic flight model for a jet trainer aircraft, Post Graduate, M.GİLANI(Student), 2007

ÖZGEN S., Airfoil boundary layer calculations using interactive method and e to the n transition prediction technique, Post Graduate, M.MERSİNLİGİL(Student), 2006

ÖZGEN S., Navier-stokes calculations over swept wings, Post Graduate, P.ŞAHİN(Student), 2006

Özgen S., Dursunkaya Z., High speed viscous plane couette-poiseuille flow stability, Doctorate, A.ASLAN(Student), 2004

ÖZGEN S., Analysis of stability and transition in flat plate compressible boundary layers using linear stability theory, Post Graduate, H.SENEM(Student), 2004

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

- Aerodynamic validation studies on the performance analysis of iced wind turbine blades

YIRTICI Ö., Cengiz K., ÖZGEN S., TUNCER İ. H.

COMPUTERS & FLUIDS, vol.192, 2019 (Journal Indexed in SCI)

● **Predictions of ice formations on wind turbine blades and power production losses due to icing**

YIRTICI Ö., ÖZGEN S., TUNCER İ. H.

WIND ENERGY, vol.22, pp.945-958, 2019 (Journal Indexed in SCI)

● **In-flight ice accretion simulation in mixed-phase conditions**

Ayan E., ÖZGEN S.

● AERONAUTICAL JOURNAL, vol.122, pp.409-441, 2018 (Journal Indexed in SCI)

● **Morphing wing optimization for steady level flight**

Korpe D. S., ÖZGEN S.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE

ENGINEERING, vol.231, pp.2317-2330, 2017 (Journal Indexed in SCI)

● **Structural and aerodynamic analyses of a hybrid trailing edge control surface of a fully morphing wing**

Gürses E., Tunçöz I. O., Yang Y., Arslan P., Kalkan U., Tıraş H., Şahin M., Özgen S., Yaman Y.

JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES, vol.28, pp.979-991, 2017 (Journal Indexed in SCI)

● **Investigation of the Linear Stability Problem of Electrified Jets, Inviscid Analysis**

ÖZGEN S., UZOL O.

JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.134, 2012 (Journal Indexed in SCI)

● **In-flight Ice formation simulation on finite wings and air intakes**

ÖZGEN S., Canibek M.

● AERONAUTICAL JOURNAL, vol.116, pp.337-362, 2012 (Journal Indexed in SCI)

● **Crosslinked DADMAC polymers as cationic super absorbents**

Korpe S., Erdogan B., BAYRAM G., ÖZGEN S., ULUDAĞ Y., BİÇAK N.

REACTIVE & FUNCTIONAL POLYMERS, vol.69, pp.660-665, 2009 (Journal Indexed in SCI)

● **Ice accretion simulation on multi-element airfoils using extended Messinger model**

ÖZGEN S., Canibek M.

HEAT AND MASS TRANSFER, vol.45, pp.305-322, 2009 (Journal Indexed in SCI)

● **Coalescence of Tollmien-Schlichting and interfacial modes of instability in two-fluid flows**

Ozgen S.

● PHYSICS OF FLUIDS, vol.20, 2008 (Journal Indexed in SCI)

● **Linear stability analysis in compressible, flat-plate boundary-layers**

ÖZGEN S., KIRCALI S. A.

● THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS, vol.22, pp.1-20, 2008 (Journal Indexed in SCI)

● **Heat transfer effects on the stability of low speed plane Couette-Poiseuille flow**

Ozgen S., Dursunkaya Z., Ebrinc A. A.

● HEAT AND MASS TRANSFER, vol.43, pp.1317-1328, 2007 (Journal Indexed in SCI)

● **Effect of heat transfer on stability and transition characteristics of boundary-layers**

Ozgen S.

● INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.47, pp.4697-4712, 2004 (Journal Indexed in SCI)

● **Experimental study of wave characteristics on a thin layer of de/anti-icing fluid**

Ozgen S., Carbonaro M., Sarma G.

● PHYSICS OF FLUIDS, vol.14, pp.3391-3402, 2002 (Journal Indexed in SCI)

● **Two-fluid boundary layer stability**

Ozgen S., Degrez G., Sarma G.

● PHYSICS OF FLUIDS, vol.10, pp.2746-2757, 1998 (Journal Indexed in SCI)

● **Stability of parallel non-newtonian flows**

Ozgen S., Sarma G.

ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.77, 1997 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Decamber Morphing Concepts by Using a Hybrid Trailing Edge Control Surface**
Yaman Y., Tuncoz I. O., Yang Y., Arslan P., Kalkan U., Tiras H., Gürses E., Şahin M., Özgen S.
AEROSPACE, vol.2, pp.482-504, 2015 (Journal Indexed in ESCI)
- **Göreve Uyumlu Kumanda Yüzeylerinin Geliştirilmesi**
YAMAN Y., ÖZGEN S., ŞAHİN M., GÜÇLÜ S., ÜNLÜSOY L., ERDOĞAN TOLGA İ., EVREN S.
Savunma ve Havacılık, vol.25143, pp.161-162, 2011 (National Non-Refereed Journal)
- **Göreve Uyumlu Kumanda Yüzeylerinin Geliştirilmesi**
Yaman Y., Özgen S., Şahin M.
Savunma ve Havacılık Dergisi, vol.25, pp.161-162, 2011 (National Non-Refereed Journal)
- **Şekillendirilebilir Hava Aracı Konseptleri**
Yaman Y., Özgen S., Bayram G., Şahin M., Yılmaz A., Uludağ Y.
Savunma Sanayii Gündemi, vol.20102, pp.59-65, 2010 (National Non-Refereed Journal)
- **Şekil Değiştiren Uçaklar Havacılıkta Yeni Bir Devrim Yaratabilir mi?**
Yaman Y., Özgen S., Seber G., Şahin M., Bayram G., Uludağ Y., Yılmaz A.
SAVUNMA VE HAVACILIK DERGİSİ, vol.22, pp.125-128, 2008 (National Non-Refereed Journal)
- **Şekil Değiştiren Uçaklar Havacılıkta Yeni Bir Devrim Yaratabilir mi**
ÖZGEN S., GÜÇLÜ S., ŞAHİN M., YAMAN Y., BAYRAM G., ULUDAĞ Y., YILMAZ A.
Savunma ve Havacılık, vol.22126, pp.125-128, 2008 (National Non-Refereed Journal)

Refereed Congress / Symposium Publications in Proceedings

- **Buzlanmış Rüzgar Türbini Palasında Performans Kayıp Analizi**
YIRTICI Ö., ÖZGEN S., TUNCER İ. H.
7. Ulusal Havacılık ve Uzay Konferansı, Samsun, Turkey, 12 - 14 September 2018
- **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, United States Of America, 25 - 29 June 2018
- **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, Canada, 10 - 12 June 2018
- **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, United States Of America, 25 - 29 June 2018
- **ICING ON WIND TURBINE BLADE UNDER VARIOUS ATMOSPHERIC CONDITIONS**
YIRTICI Ö., ÖZGEN S., TUNCER İ. H.
9th Ankara International Aerospace Conference, Ankara, Turkey, 20 - 22 September 2017
- **Aerodynamic Shape Optimization of Wind TurbineBlades for Reducing Power Production Losses due toIce Accretion**
YIRTICI Ö., TUNCER İ. H. , ÖZGEN S.
AIAA Scitech Conference, Dallas, United States Of America, 9 - 13 January 2017
- **Modification of the extended messenger model for mixed phase icing and industrial applications with TAICE**
Ayan E., ÖZGEN S.
9th AIAA Atmospheric and Space Environments Conference, 2017, Colorado, United States Of America, 5 - 09 June 2017
- **Mathematical modelling for wave drag optimization and design of high-speed aircrafts**

Citak C., ÖZGEN S., Weber G. W.

3rd International Conference on Dynamics, Games and Science, DGS 2014, Porto, Portugal, 17 - 21 February 2014, vol.195, pp.109-132

● **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, Germany, 5 - 07 October 2016, vol.753

● **A Hybrid Morphing Trailing Edge Designed for Camber Change of the Control Surface**

Tunçöz İ. O. , Yang Y., Gürses E., Şahin M., Yaman Y., Özgen S.

SciTech2016, AIAA Science and Technology Forum 2016, California, United States Of America, 4 - 08 January 2016

● **MDAO fo Aerodynamic Assessment of a Morphed Wing for the Loiter Segment of a UAV Flight Mission**

Yang Y., ÖZGEN S., YAMAN Y., Ciarella A., Hahn M., Beaverstock C., Friswell M.

SciTech2016, AIAA Science and Technology Forum 2016, 4 - 08 January 2016

● **Mixed phase ice accretion prediction with TAICE**

Ayan E., ÖZGEN S., Canıbek M.

8th AIAA Atmospheric and Space Environments Conference, 2016, Washington, United States Of America, 13 - 17 June 2016

● **Hybrid morphing trailing edge designed for camber change of the control surface**

Tunçöz İ. O. , Yang Y., Gürses E., Şahin M., Özgen S., Yaman Y.

24th AIAA/AHS Adaptive Structures Conference, 2016, California, United States Of America, 4 - 08 January 2016

● **MDAO for aerodynamic assessment of a morphed wing for the loiter segment of a UAV flight mission**

Yang Y., ÖZGEN S., YAMAN Y., Ciarella A., Hahn M., Beaverstock C. S. , Friswell M. I.

24th AIAA/AHS Adaptive Structures Conference, 2016, California, United States Of America, 4 - 08 January 2016

● **Büyük Oranda Şekil Değiştirebilen Bir Hibrid Firar Kenarı Kontrol Yüzeyinin Tasarımı ve Analizleri**

İlhan Ozan T., Yosheph Y., Gürses E., Şahin M., Özgen S., Yaman Y.

UHAT2015, III. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi, İzmir, Turkey, 23 - 24 October 2015

● **ICE ACCRETION PREDICTION ON HORIZONTAL AXIS WIND TURBINE BLADES**

YIRTICI Ö., ÖZGEN S., TUNCER İ. H.

EAWC 2015, 22 - 25 September 2015

● **Design and Analyses of an Unmanned Aerial Vehicle Hybrid Trailing Edge Control Surface Having Camber and Decamber Capabilities**

İlhan Ozan T., Yosheph Y., Gürses E., Şahin M., Özgen S., Yaman Y.

AIAC2015, 8th Ankara International Aerospace Conference, Ankara, Turkey, 10 - 12 September 2015

● **ICE ACCRETION PREDICTION ON HORIZONTAL AXIS WIND TURBINE BLADES**

YIRTICI Ö., ÖZGEN S., TUNCER İ. H.

Ankara International Aerospace Conference, 10 - 12 September 2015

● **Prediction of Ice Crystal Accretion with TAICE**

Ayan E., ÖZGEN S., Murat C., Tarhan E.

SAE International Conference on Icing of Aircraft, Engines, and Structures, ICE 2015, Prague, Czech Republic, 22 - 25 June 2015

● **Hibrit Bir Kontrol Yüzeyinin Hesaplamalı Akışkanlar Dinamiği Destekli Yapısal Analizi**

Arslan P., Uğur K., Harun T., İlhan Ozan T., Yosheph Y., Özgen S., Gürses E., Şahin M., Yaman Y.

UMTS2015, Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 - 17 June 2015

● **A Hybrid Trailing Edge Control Surface Capable of Camber and Decamber Morphing**

İlhan Ozan T., Yosheph Y., Gürses E., Şahin M., Özgen S., Yaman Y.

SMART2015, 7th ECCOMAS Thematic Conference on Smart Structures and Materials, Ponta-Delgada, Portugal, 3 - 06 June 2015

● **Bir Hibrit Firar Kenarı Kontrol Yüzeyinin Tasarımı ve Analizi**

Arslan P., Uğur K., Harun T., İlhan Ozan T., Yosheph Y., Gürses E., Şahin M., Özgen S., Yaman Y.

TMMOB Makina Mühendisleri Odası, VIII. Ulusal Uçak, Havacılık ve Uzay Mühendisliği Kurultayı, Eskişehir, Turkey, 22 - 23 May 2015

● **A multi-fidelity, multi-disciplinary analysis and optimization framework for the design of morphing UAV wings**

Ciarella A., Tsotskas C., Hahn M., Werter N. P. M. , De Breuker R., Beaverstock C. S. , Friswell M. I. , Yang Y., ÖZGEN S., Antoniadis A., et al.

16th AIAA/ISSMO Multidisciplinary Analysis and Optimization Conference, 2015, Texas, United States Of America, 22 - 26 June 2015

● **Implementation of ball-center spring analogy mesh deformation technique with CFD design optimization**

Yang Y., ÖZGEN S.

22nd AIAA Computational Fluid Dynamics Conference, 2015, Texas, United States Of America, 22 - 26 June 2015

● **Structural Analysis of an Unconventional Hybrid Control Surface of a Morphing Wing**

Arslan P., Uğur K., Harun T., İlhan Ozan T., Yosheph Y., Gürses E., Şahin M., Özgen S., Yaman Y.

ICAST2014: 25th International Conference on Adaptive Structures and Technologies, The Hague, Netherlands, 6 - 08 October 2014

● **Konvansiyonel Olmayan İki Farklı Kontrol Yüzeyinin Yapısal Özelliklerinin Değerlendirilmesi ve Karşılaştırılması**

Arslan P., Uğur K., Harun T., İlhan Ozan T., Yosheph Y., Gürses E., Şahin M., Özgen S., Yaman Y.

UHUK2014, V. Ulusal Havacılık ve Uzay Konferansı, Kayseri, Turkey, 8 - 10 September 2014

● **Konvansiyonel ve Konvansiyonel Olmayan Kontrol Yüzeylerine Sahip İnsansız Hava Aracı Kanatlarının Aerodinamik Özelliklerinin Değerlendirilmesi**

İlhan Ozan T., Yosheph Y., Özgen S., Gürses E., Şahin M., Yaman Y.

SAVTEK2014, 7. Savunma Teknolojileri Kongresi, Ankara, Turkey, 25 - 27 June 2014

● **Konvansiyonel ve Konvansiyonel Olmayan Kontrol Yüzeylerine Sahip İnsansız Hava Aracı Kanatlarının Ağırlıklarının İncelenmesi**

Arslan P., Uğur K., Harun T., Gürses E., Şahin M., Özgen S., Yaman Y.

SAVTEK2014, 7. Savunma Teknolojileri Kongresi, Ankara, Turkey, 25 - 27 June 2014

● **Bir İnsansız Hava Aracının Konvansiyonel Olmayan Esnek Kontrol Yüzeylerinin Yapısal Analizi ve İç Yapısının Tasarımı**

Arslan P., Uğur K., Harun T., İlhan Ozan T., Yosheph Y., Gürses E., Şahin M., Özgen S., Yaman Y.

HİTEK2014, 3. Havacılıkta İleri Teknolojiler Konferansı, İstanbul, Turkey, 18 - 20 June 2014

● **A Hybrid Trailing Edge Control Surface Concept**

Arslan P., Uğur K., Harun T., İlhan Ozan T., Yosheph Y., Gürses E., Şahin M., Özgen S., Yaman Y.

DeMEASS-VI, 6th Conference for Design, Modelling and Experiments of Advanced Structures and Systems, The Hague, Netherlands, 25 - 28 May 2014

● **Büyük Oranda Şekil Değiştirebilen Kanat Yüzeylerinin Aerodinamik Yükler Altındaki Davranışları**

Arslan P., Kalkan U., Tıraş H., Tunçöz İ. O. , Yang Y., Gürses E., Şahin M., Özgen S., Yaman Y.

2. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi UHAT, İzmir, Turkey, 29 - 30 November 2013

● **Büyük Oranda Şekil Değiştirebilen Kanat Yüzeylerinin Aerodinamik Yükler Altında Davranışları**

Arslan P., Uğur K., Yosheph Y., Özgen S., Şahin M., Gürses E., Yaman Y.

UHAT2013, II. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi, İzmir, Turkey, 29 - 30 November 2013

● **Büyük Oranda Şekil Değiştirebilen Kontrol Yüzeylerinin Yapısal Özelliklerinin Değerlendirilmesi**

Harun T., İlhan Ozan T., Gürses E., Şahin M., Özgen S., Yaman Y.

UHAT2013, II. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi, İzmir, Turkey, 29 - 30 November 2013

● **Büyük Oranda Şekil Değiştirebilen Kanat Kontrol Yüzeylerinin Uçuştaki Etkileri**

Yaman Y., Özgen S., Şahin M., Gürses E.

UHAT2012, I. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi, İzmir, Turkey, 20 - 22 December 2012

● **Büyük Oranda Şekil Değiştirebilen Kanatların Ön Tasarım Sürecinde Aerodinamik ve Yapısal Analizlerinin Eşlenmesi**

KÖRPE D. S. , ÜNLÜSOY L., ŞAHİN M., ÖZGEN S., YAMAN Y.

UHUK2012, IV. Ulusal Havacılık ve Uzay Konferansı, İstanbul, Turkey, 12 - 14 September 2012

● **Büyük Oranda Şekil Değiştirebilen Kanatların Aerodinamik ve Yapısal Tasarımı**

ÜNLÜSOY L., KÖRPE D. S. , ŞAHİN M., ÖZGEN S., YAMAN Y.

SAVTEK2012, 6. Savunma Teknolojileri Kongresi, Ankara, Turkey, 20 - 22 June 2012

Göreve Uyumlu Kanatlara Sahip Bir İnsansız Hava Aracının Uçuş Testleri ve Yapısal Geliştirilmesi

ÜNLÜSOY L., YAMAN Y., ŞAHİN M., ÖZGEN S., GÜÇLÜ S., ERDOĞAN TOLGA İ., EVREN S.

UMTS2011, 15. Ulusal Makina Teorisi Sempozyumu, Niğde, Turkey, 16 - 18 June 2011

ODTÜ de Yapılan İnsansız Hava Aracı Çalışmaları

YAMAN Y., ÖZGEN S., ŞAHİN M., GÜÇLÜ S., EVREN S., ERDOĞAN TOLGA İ., ÜNLÜSOY L.

TMMOB Makina Mühendisleri Odası, VI. Ulusal Uçak, Havacılık ve Uzay Mühendisliği Kurultayı, Eskişehir, Turkey, 6 - 07 May 2011

Göreve Uyumlu Bir İnsansız Hava Aracı Kanadının Yapısal Modellenmesi ve Deneysel Doğrulanması

ŞAHİN M., ÜNLÜSOY L., EVREN S., ERDOĞAN TOLGA İ., GÜÇLÜ S., ÖZGEN S., YAMAN Y.

SAVTEK2010, 5. Savunma Teknolojileri Kongresi, Ankara, Turkey, 23 - 25 June 2010

Göreve Uyumlu Kanatları Olan Bir İnsansız Hava Aracı Gövdesinin Yapısal Tasarımı ve Analizi

ŞAHİN M., ERDOĞAN TOLGA İ., EVREN S., ÜNLÜSOY L., ÖZGEN S., GÜÇLÜ S., YAMAN Y.

SAVTEK2010, 5. Savunma Teknolojileri Kongresi, Ankara, Turkey, 23 - 25 June 2010

Morphing Air Vehicle Concepts

ÖZGEN S., YAMAN Y., ŞAHİN M., GÜÇLÜ S., KÖRPE D. S. , EVREN S., ERDOĞAN TOLGA İ., ÜNLÜSOY L., BAYRAM G., ULUDAĞ Y., et al.

UVW2010, International Unmanned Vehicle Workshop, İstanbul, Turkey, 10 - 12 June 2010

Design Analysis and Experimental Modal Testing of a Mission Adaptive Wing of an Unmanned Aerial Vehicle

ŞAHİN M., EVREN S., ÜNLÜSOY L., ERDOĞAN TOLGA İ., GÜÇLÜ S., ÖZGEN S., YAMAN Y.

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Structural Modeling and Flutter Analysis of Adaptive Camber Wings

GÜÇLÜ S., EVREN S., ERDOĞAN TOLGA İ., ÖZGEN S., ŞAHİN M., YAMAN Y.

AIAC2009, 5. Ankara International Aerospace Conference, Ankara, Turkey, 17 - 19 August 2009

Göreve Uyumlu Kanatlara Sahip bir İnsansız Hava Aracının Tasarımı

YAMAN Y., ÖZGEN S., ŞAHİN M., GÜÇLÜ S., VOLKAN N., EVREN S., ERDOĞAN TOLGA İ., ÜNLÜSOY L.

UMTS2009, 14. Ulusal Makina Teorisi Sempozyumu, GÜZELYURT-KIBRIS, Turkey, 2 - 04 July 2009

Evaluation of a Camber Morphing Concept Based on Controlled Flexibility

GÜÇLÜ S., EVREN S., ERDOĞAN TOLGA İ., ŞAHİN M., ÖZGEN S., YAMAN Y.

IFASD2009, International Forum on Aeroelasticity and Structural Dynamics 2009, SEATTLE, United States Of America, 21 - 25 June 2009

ODTÜ de Sürdürülen İnsansız Hava Aracı Çalışmaları

YAMAN Y., ÖZGEN S., ŞAHİN M., GÜÇLÜ S., VOLKAN N., EVREN S., ERDOĞAN TOLGA İ., ÜNLÜSOY L., BAYRAM G., ULUDAĞ Y., et al.

TMMOB Makina Mühendisleri Odası, V. Ulusal Uçak, Havacılık ve Uzay Mühendisliği Kurultayı, Eskişehir, Turkey, 22 - 23 May 2009

Değişken Kambura Sahip NACA4412 Kanat Kesitinin 2 Boyutlu Aerodinamik Analizi

GÜÇLÜ S., ERDOĞAN TOLGA İ., ÖZGEN S., ŞAHİN M., YAMAN Y.

2. UHUK, II. Ulusal Havacılık ve Uzay Konferansı, İstanbul, Turkey, 15 - 17 October 2008

Göreve Uyumlu Kanat Tasarım ve Geliştirme Çalışmaları

GÜÇLÜ S., ŞAHİN M., ÖZGEN S., VOLKAN N., YAMAN Y.

SAVTEK 2008, 4. Savunma Teknolojileri Kongresi, Ankara, Turkey, 26 - 27 June 2008

Ice accretion simulation on finite wings with extended Messinger Method

ÖZGEN S., Canibek M.

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