Prof. SINAN EYI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-8165-2020

ScopusID: 6603288394

Yoksis Researcher ID: 165077

Education Information

Post Doctorate, University of Illinois at Urbana-Champaign, Mühendislik, Havacılık ve Uzay Mühendisliği, United States Of America 1995 - 1996

Doctorate, University of Illinois at Urbana-Champaign, Mühendislik, Havacılık ve Uzay Mühendisliği, United States Of America 1990 - 1995

Postgraduate, University of Illinois at Urbana-Champaign, Mühendislik, Havacılık ve Uzay Mühendisliği, United States Of America 1987 - 1990

Undergraduate Minor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 1977 - 1982

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2019 - Continues

Advising Theses

EYİ S., Convergence performance of the approximate factorization methods with multi-block implicit boundary conditions at hypersonic speeds, Postgraduate, M.KOCA(Student), 2022

EYİ S., Loose coupling of SU2 multiphysics code with pato to analyze the surface recession effect on surface heat flux, Postgraduate, M.ÇELİK(Student), 2022

EYİ S., Development of a design method for subsonic intakes with improved aerodynamic performance and reduced

radar signature, Postgraduate, T.ÜNLÜ(Student), 2021

EYİ S., MONTAJLANMIŞ MOTORUN ATALETSEL PARÇACIK AYRIŞTIRICISININ SAYISAL ANALİZİ, Postgraduate,

A.BURAK(Student), 2021

EYİ S., Ablation modeling for high speed internal and external flows, Doctorate, O.Kaan(Student), 2020

EYİ S., Development and evaluation of new bleed boundary condition models for supersonic inlet boundary layer bleed flow, Postgraduate, G.Akar(Student), 2019

EYİ S., Aerothermodynamic shape optimization using DSMC and POD-RBF methods, Postgraduate, H.KUTKAN(Student), 2018

EYİ S., Analysis, design and test of a jet vane based thrust vector control for tactical missiles, Postgraduate,

O.EREN(Student), 2017

EYİ S., Conceptual aerodynamic design of ramjet missiles, Postgraduate, E.DEMİRAL(Student), 2017

EYİ S., Aerodynamic design optimization using 3-dimensional Euler equations and adjoint method, Postgraduate,

A.YILDIRIM(Student), 2017

EYİ S., Analysis of hypersonic flow using three dimensional navier-stokes equations, Postgraduate, M.Özgün(Student), 2016

EYİ S., Effects of diffusion in hypersonic flow, Postgraduate, H.BERK(Student), 2016

EYİ S., Analysis of hypersonic flow using three dimensional Navier-Stokes equations, Postgraduate, M.ÖZGÜN(Student), 2016

EYİ S., Three dimensional reacting flow analysis of a cavity-based scramjet combustor, Postgraduate,

R.ROUZBAR(Student), 2016

EYİ S., Choice and development of a preconditioner for Newton-GMRES algorithm, Postgraduate, Y.EMRE(Student), 2015

EYİ S., CFD analysis of missile shroud separation, Postgraduate, H.ERKAN(Student), 2015

EYİ S., Analysis of weakly ionized hypersonic flow, Postgraduate, T.PİŞKİN(Student), 2015

EYİ S., Subsonic-transonic submerged intake design for a cruise missile, Postgraduate, O.AKMAN(Student), 2014

EYİ S., The effects of static aeroelasticity on the performance of two-dimensional converging diverging nozzles,

Postgraduate, Ü.DÜZEL(Student), 2014

EYİ S., Performance comparison of newton and Newton-GMRES methods in 3-D flow analysis, Postgraduate,

B.YILDIZLAR(Student), 2014

EYİ S., Numerical simulation of hydrodynamic planar motion mechanisim test for underwater vehicles, Postgraduate, M.CAN(Student), 2014

EYİ S., Numerical simulation of hydrodynamic planar motion mechanism test for underwater vehicles, Postgraduate, M.Can(Student), 2014

EYİ S., Perfomance analyses of newton method for multi-block structured grids, Postgraduate, E.AYAN(Student), 2011

EYİ S., Performance analyses of newton method for multi-block structured grids, Postgraduate, E.Ayan(Student), 2011

EYİ S., Sensitivity analysis using finite difference and analytical jacobians, Postgraduate, A.ALPER(Student), 2009

EYİ S., Free flexural (or bending) vibrations analysis of certain groups of stiffened composite plates or panels-In flight vehicle structures, Postgraduate, J.JAVANSHİR(Student), 2009

EYİ S., Accuracy and efficiency improvements in finite difference sensitivity calculations, Postgraduate,

M.Özhamam(Student), 2007

EYİ S., Accuracy and efficiency in finite difference sensitivity calculations, Postgraduate, M.ÖZHAMAM(Student), 2007

EYİ S., Parallel navier stokes solutions of low aspect ratio rectangular flat wings in compressible, Doctorate,

G.DURMUŞ(Student), 2004

EYİ S., Parallel navier stokes solutions of low aspect ratio rectangular flat wings in compressible flow, Doctorate, G.Durmuş(Student), 2004

EYİ S., Effect of the Jacobian evaluation on direct solutions of the Euler equations, Postgraduate, Ö.ONUR(Student), 2003

EYİ S., Effect of the Jacobian evalution on direct solutions of the Euler equations, Postgraduate, Ö.Onur(Student), 2003

EYİ S., Performance evaluation and improvements of inverse compressor cascade design, Postgraduate,

B.KAPLAN(Student), 2000

ÇİRAY C., EYİ S., A trial for new turbulence model for low reynolds number turbulent boundary layer, Postgraduate, S.Kilerci(Student), 2000

EYİ S., Sensitivity analysis in turbomachinery cascade design optimization, Postgraduate, İ.ERGÜN(Student), 2000

Published journal articles indexed by SCI, SSCI, and AHCI

I. Ablation Analyses of Optimized Nose Tips for Hypersonic Vehicles

Onay O. K., EYİ S.

JOURNAL OF THERMOPHYSICS AND HEAT TRANSFER, vol.34, no.1, pp.78-89, 2020 (SCI-Expanded)

II. Shape Optimization of Reentry Vehicles to Minimize Heat Loading

Eyi S., Hanquist K. M., Boyd I. D.

JOURNAL OF THERMOPHYSICS AND HEAT TRANSFER, vol.33, no.3, pp.785-796, 2019 (SCI-Expanded)

III. Aerothermodynamic Design Optimization of Hypersonic Vehicles

Eyi S., Hanquist K. M., Boyd I. D.

JOURNAL OF THERMOPHYSICS AND HEAT TRANSFER, vol.33, no.2, pp.392-406, 2019 (SCI-Expanded)

IV. Reacting flow analysis of a cavity-based scramjet combustor using a Jacobian-free Newton-Krylov method

Rouzbar R., EYİ S.

AERONAUTICAL JOURNAL, vol.122, no.1258, pp.1884-1915, 2018 (SCI-Expanded)

V. Aerothermodynamic shape optimization of hypersonic blunt bodies

EYİ S., Yumusak M.

ENGINEERING OPTIMIZATION, vol.47, no.7, pp.909-926, 2015 (SCI-Expanded)

VI. Convergence Error and Higher-Order Sensitivity Estimations

Eyi S.

AIAA JOURNAL, vol.50, no.10, pp.2219-2234, 2012 (SCI-Expanded)

VII. Design optimization of rocket nozzles in chemically reacting flows

Yumusak M., EYİ S.

COMPUTERS & FLUIDS, vol.65, pp.25-34, 2012 (SCI-Expanded)

VIII. Effects of sensitivity derivatives on aerodynamic design optimization

Eyi S.

Inverse Problems In Science And Engineering, vol.2, no.1996, pp.213-235, 2007 (SCI-Expanded)

IX. Effects of the Jacobian evaluation on Newton's solution of the Euler equations

Onur O., Eyi S.

INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, vol.49, no.2, pp.211-231, 2005 (SCI-Expanded)

X. Inverse airfoil design using the Navier Stokes equations

Eyi S., Lee K.

ENGINEERING OPTIMIZATION, vol.28, no.4, pp.245-262, 1997 (SCI-Expanded)

XI. High-lift design optimization using Navier-Stokes equations

Eyi S., Lee K., Rogers S., Kwak D.

JOURNAL OF AIRCRAFT, vol.33, no.3, pp.499-504, 1996 (SCI-Expanded)

XII. AIRFOIL DESIGN OPTIMIZATION USING THE NAVIER-STOKES EQUATIONS

EYI S., HAGER J., LEE K.

JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, vol.83, no.3, pp.447-461, 1994 (SCI-Expanded)

XIII. 2-POINT TRANSONIC AIRFOIL DESIGN USING OPTIMIZATION FOR IMPROVED OFF-DESIGN PERFORMANCE

HAGER J., EYI S., LEE K.

JOURNAL OF AIRCRAFT, vol.31, no.5, pp.1143-1147, 1994 (SCI-Expanded)

XIV. TRANSONIC AIRFOIL DESIGN BY CONSTRAINED OPTIMIZATION

LEE K., EYI S.

JOURNAL OF AIRCRAFT, vol.30, no.6, pp.805-806, 1993 (SCI-Expanded)

XV. AERODYNAMIC DESIGN VIA OPTIMIZATION

JOURNAL OF AIRCRAFT, vol.29, no.6, pp.1012-1019, 1992 (SCI-Expanded)

Articles Published in Other Journals

I. ATMOSFERİK GEÇİŞ YAPAN ARAÇ ETRAFINDA NAVIER-STOKESDENKLEMLERİ İLE ÜÇ BOYUTLU HİPERSONİK AKIŞ ANALİZİ

Özgün M., EYİ S.

Havacılık ve Uzay Teknolojileri Dergisi, vol.7, pp.71-77, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Computational modelling and analysis of porous bleed holes at supersonic speeds Akar G., EYİ S.

AIAA Propulsion and Energy 2020 Forum, Virtual, Online, 24 - 28 August 2020, pp.1-10

II. Comparison of Fully Coupled and DecoupledModeling Results of Graphite Ablation In Hypersonic Flows

Onay O., EYİ S.

10th Ankara International Aerospace Conference, Ankara, Turkey, 18 - 20 September 2019, vol.10

III. Integrated Shap Optimization of RAE-M2129 Inlet for Aerodynamic Performance and Reduced Radar Cross Section

Unlu T., Atasoy M., Dincer E., EYİ S.

10th Ankara International AerospaceConference, Ankara, Turkey, 18 - 20 September 2019, vol.10

IV. Shape Optimization of Reentry Vehicles to Minimize Heat Loading

EYİ S., Hanquist K. M., Boyd I. D.

2019 AIAA Scitech Forum, San Diego, CA USA, 7 - 11 January 2019, vol.2019

V. Gözenekli Tahliye Sistemlerinin Ses-üstü Hızlarda Hesaplamalı Akışkanlar Dinamiği ile Analizleri Akar G., EYİ S.

VII. Ulusal Havacılık Ve Uzay Konferansı, Turkey, 12 - 14 September 2018, vol.2018

VI. Aerothermodynamic Shape Optimization of Reentry Capsules Using DSMC and POD Methods Kutkan H., EYİ S.

10th NTERNATIONAL CONFERENCE ON COMPUTATIONAL FLUID DYNAMICS, 9 - 13 July 2018, vol.10

VII. Aerothermodynamic Shape Optimization of Reentry Capsule

Kutkan H., EYİ S.

 $2018\ Joint\ Thermophysics\ and\ Heat\ Transfer\ Conference,\ Atlanta,\ Georgia,\ 25-29\ June\ 2018,\ vol.\ 2018$

VIII. CFD Analyses of Hypersonic Flow Regimes with Stephan-Maxwell Diffusion Equation Gür B., EYİ S.

2018 Fluid Dynamics Conference, Atlanta, Georgia, 25 - 29 June 2018, vol.2018

IX. Transient Thermochemical Erosion Modeling for Solid Propellant Rocket Motor Nozzles Including the Effect of Shape Change and Anisotropy

Onay O., EYİ S.

2018 Fluid Dynamics Conference, Atlanta, Georgia, 25 - 29 June 2018, vol.2018

X. Multi Block and Parallel Computations of Rotor Fan Using Three Dimensional Euler Equations Özmen E., EYİ S.

2018 Fluid Dynamics Conference, Atlanta, Georgia, 25 - 29 June 2018, vol.2018

XI. Aerothermodynamic Design Optimization of Hypersonic Vehicles

EYİ S., Hanquist K. M., Boyd I. D.

2018 Multidisciplinary Analysis and Optimization Conference, Atlanta, Georgia, 25 - 29 June 2018, vol.2018

XII. CFD Analysis of Diffusion Phenomena in Hypersonic Flow Regimes

Gür B., EYİ S.

26th Annual Conference of the Computational Fluid Dynamics Society of Canada Winnipeg, 10 - 12 June 2018, vol.26

XIII. Simulations of hypersonic flow regions with Fick's law of diffusion with addition of different diffusivity models

Gur H. B., EYİ S.

AIAA Aerospace Sciences Meeting, 2018, Florida, United States Of America, 8 - 12 January 2018

XIV. Diffusion Models Implementation in Hypersonic Flow Regimes

Gür B., EYİ S.

9th Ankara International Aerospace Conference, 20 - 22 September 2017, vol.2017

XV. Analysis of effects of different diffusion models in hypersonic flow regimes Gur H. B., EYİ S.

8th AIAA Theoretical Fluid Mechanics Conference, 2017, Colorado, United States Of America, 5 - 09 June 2017

XVI. Aerodynamic optimization of wing-body configuration using discrete adjoint method YILDIRIM A., EYİ S.

35th AIAA Applied Aerodynamics Conference, 2017, Colorado, United States Of America, 5 - 09 June 2017

XVII. Three Dimensional Design Optimization Using Adjoint Method with Newton Krylov Solver Yıldırım A., EYİ S.

52nd AIAA/SAE/ASEE Joint Propulsion Conference, Salt Lake City, UT, 25 - 27 July 2016, vol.2016

XVIII. Scramjet Combustor Flow Analysis Using Coupled Navier-Stokes and Finite Rate Chemical Equations Rouzbar R., EYİ S.

46th AIAA Fluid Dynamics Conference, Washington, Kiribati, 13 - 17 July 2016, vol.2016

XIX. Adjoint Shape Optimization of Hypersonic Blunt BodiesIncluding the Effect of Graphite Ablation Onay O., EYİ S.

Ninth International Conference on Computational Fluid Dynamics (ICCFD9), 11 - 15 July 2016, vol.9

XX. Three Dimensional Hypersonic Flow Analysis Around a Reentry Vehicle Using Navier-Stokes Equations

Özgün M., EYİ S.

Ninth International Conference on Computational Fluid Dynamics (ICCFD9), 11 - 15 July 2016, vol.9

XXI. Three Dimensional Design Optimization Using Adjoint Method

Yıldırım A., EYİ S.

34th AIAA Applied Aerodynamics Conference, Washington, Kiribati, 13 - 17 June 2016, vol.2016

XXII. Convergence Acceleration Based on Eigenvalue Analysis

EYİ S.

46th AIAA Fluid Dynamics Conference, Washington, Kiribati, 13 - 17 June 2016, vol.2016

XXIII. Modelling Thermochemical Nonequilibrium during Atmospheric Re-Entry

Pişkin T., EYİ S.

51st AIAA/SAE/ASEE Joint Propulsion Conference, Orlando, FL, 27 August - 27 September 2015, vol.2015

XXIV. Hypersonic Flow Analysis of Re-entry Vehicles Using Three Dimensional Navier-Stokes Equations Özgün M., EYİ S.

13th International Energy Conversion Engineering Conference, Orlando, FL, 27 July 2105 - 29 July 2015, vol.2015

XXV. Implicit Solution of One-Dimensional Transient Ablation

Onay O., EYİ S.

13th International Energy Conversion Engineering Conference, Orlando, FL, 27 July 2105 - 29 July 2015, vol.2015

XXVI. Diffusion Effect on Hypersonic Flow Using Fick's Law

Gür B., EYİ S.

13th International Energy Conversion Engineering Conference, Orlando, FL, 27 - 20 July 2015, vol.2015

XXVII. Simulations of Ethylene and Hydrogen Combustions in Scramjet Combustor

Rouzbar R., EYİ S.

51st AIAA/SAE/ASEE Joint Propulsion Conference, Orlando, FL, 27 July 2105 - 29 July 2015, vol.2015

XXVIII. Convergence Acceleration Using Convergence Error Estimation

EYİ S.

22nd AIAA Computational Fluid Dynamics Conference, Dallas, TX, 22 - 26 June 2015, vol.2015

XXIX. Three Dimensional Flow Analysis of a Cavity-Based Scramjet Combustor

Rouzbar R., EYİ S.

22nd AIAA Computational Fluid Dynamics Conference, Dallas, TX, 22 June 2105 - 26 June 2015, vol.2015

XXX. Analysis of Hypersonic Nozzles with Newton and Preconditioned Newton-GMRES Methods Muslubaş E., EYİ S.

51st AIAA/SAE/ASEE Joint Propulsion Conference, Orlando, FL, 22 June 2105 - 26 May 2016, vol.2015

XXXI. Performances of Newton and Preconditioned Newton-GMRES Methods in Hypersonic Flow Solutions Muslubaş E., EYİ S.

22nd AIAA Computational Fluid Dynamics Conference, Dallas, TX, 22 - 26 June 2015, vol.2015

XXXII. Three Dimensional Analysis of Hypersonic Flow Around Re-entry Vehicles Using Navier-Stokes Equations

Özgün M., EYİ S.

7th International Conference on Recent Advances in Space Technologies, RAST 2015, 16 - 19 June 2015

XXXIII. The Effects of Static Aeroelasticity on the Performance of Supersonic/Hypersonic Nozzles

Duzel U., EYİ S.

44th AIAA Fluid Dynamics Conference, AIAA AVIATION Forum, Atlanta, Georgia, United States Of America, 16 - 20 June 2014, vol.2014

XXXIV. Comparison of newton and newton-GMRES methods for three dimensional supersonic nozzle design Yildizlar B., EYİ S.

32nd AIAA Applied Aerodynamics Conference 2014, Atlanta, GA, United States Of America, 16 - 20 June 2014

XXXV. Analysis and adjoint design optimization of hypersonic blunt bodies

Piskin T., EYİ S.

50th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and exhibit 2014, Ohio, United States Of America, 28 - 30 July 2014

XXXVI. Analysis and design optimization of blunt bodies in hypersonic flow

Piskin T., EYİ S., Yumusak M.

32nd AIAA Applied Aerodynamics Conference 2014, Atlanta, GA, United States Of America, 16 - 20 June 2014

XXXVII. Static aeroelastic analysis of supersonic nozzles and performance response

Duzel U., EYİ S.

50th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and exhibit 2014, Ohio, United States Of America, 28 - 30 July 2014

XXXVIII. Analysis of hypersonic flow using three dimensional Navier-Stokes equations

Özgün M., EYİ S.

50th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and exhibit 2014, Ohio, United States Of America, 28 - 30 July 2014

XXXIX. Analysis and design optimization of three dimensional nozzles

Yildizlar B., EYİ S.

50th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and exhibit 2014, Ohio, United States Of America, 28 - 30 July 2014

XL. Aerothermodynamic design optimization in hypersonic flows

EYİ S.

49th AIAA/ASME/SAE/ASEE Joint PropulsionConference, San Jose, CA, United States Of America, 14 - 17 July 2013

XLI. Three dimensional rocket nozzle design using adjoint method

EYİ S., Yumusak M.

49th AIAA/ASME/SAE/ASEE Joint PropulsionConference, San Jose, CA, United States Of America, 14 - 17 July 2013

XLII. Aerodynamic design optimization of three dimensional rocket nozzles using adjoint method

21st AIAA Computational Fluid Dynamics Conference, San Diego, CA, United States Of America, 24 - 27 June 2013

XLIII. Aerothermodynamic Shape Optimization of Hypersonic Blunt Bodies

Yumusak M., EYİ S.

21st AIAA ComputationalFluid Dynamics Conference, 24 - 27 June 2013, vol.2013

XLIV. Convergence acceleration based on convergence error estimation

EYİ S., Yumusak M.

21st AIAA Computational Fluid Dynamics Conference, San Diego, CA, United States Of America, 24 - 27 June 2013

XLV. Three dimensional rocket nozzle design using adjoint method

EYİ S., Yumusak M.

49th AIAA/ASME/SAE/ASEE Joint Propulsion Conference, JPC 2013, California, United States Of America, 14 - 17 July 2013

XLVI. Aerothermodynamic design optimization in hypersonic flows

EVİ S

49th AIAA/ASME/SAE/ASEE Joint Propulsion Conference, JPC 2013, California, United States Of America, 14 - 17 July 2013

XLVII. Design optimization in hypersonic flows

EYİ S., Yumuşak M.

18th AIAA/3AF International Space Planes and Hypersonic Systems and Technologies Conference 2012, Tours, France, 24 - 28 September 2012

XLVIII. Convergence Error Estimation and Convergence Acceleration in Iteratively Solved Problems EYİ S.

7th International Conference on CFD (ICCFD7), Big Island, Hawaii, United States Of America, 9 - 13 July 2012, vol.7

XLIX. Design optimization in chemically reacting flows

Yumuşak M., EYİ S.

20th AIAA Computational Fluid Dynamics Conference 2011, Honolulu, HI, United States Of America, 27 - 30 June 2011

L. Three dimensional design optimization using analytical and numerical jacobians

EYİ S., Ezertas A., Degirmenci M., Yumusak M.

20th AIAA Computational Fluid Dynamics Conference 2011, Honolulu, HI, United States Of America, 27 - 30 June 2011

LI. Finite-Difference Sensitivity Calculation in Iteratively Solved Problems

EYİ S

20th AIAA Computational Fluid Dynamics Conference 2011, Honolulu, HI, United States Of America, 27 - 30 June 2011

LII. Design Optimization in Non-equilibrium Reacting Flows

EYİ S., Ezertas A., Yumusak M.

6th International Conference on Computational Fluid Dynamics (ICCFD), St Petersburg, Russia, 12 - 16 July 2010, pp.247-248

LIII. Performance Evaluation of the Numerical Flux Jacobians in Flow Solution and Aerodynamic Design Optimization

Ezertas A., EYİ S.

6th International Conference on Computational Fluid Dynamics (ICCFD), St Petersburg, Russia, 12 - 16 July 2010, pp.241-246

LIV. Performances of Numerical and Analytical Jacobians in Flow and Sensitivity Analysis

Ezertaş A. A., EYİ S.

19th AIAA Computational Fluid Dynamics, San-Antonio, Northern Mariana Islands, 22 - 25 June 2009, vol. 2009

LV. Effects of the Jacobian evaluation on Newton's solution of the Euler equations

Onur O., EYİ S.

17th AIAA Computational Fluid Dynamics Conference, Toronto, Canada, 6 - 09 June 2005

LVI. Inverse design of compressor cascades on parallel computers

Özhamam M., EYİ S.

40th AIAA Aerospace Sciences Meeting and Exhibit 2002, Reno, NV, United States Of America, 14 - 17 January 2002

LVII. Inverse design of compressor cascades

Kaplan B., EYİ S.

39th Aerospace Sciences Meeting and Exhibit 2001, Reno, NV, United States Of America, 8 - 11 January 2001

LVIII. Aerodynamic sensitivity analysis in inverse design

Kocabiçak E., EYİ S.

8th Symposium on Multidisciplinary Analysis and Optimization 2000, Long Beach, CA, United States Of America, 6 - 08 September 2000

LIX. Effects of sensitivity analysis on turbomachinery blade design

Kocabiçak E., EYİ S.

35th Intersociety Energy Conversion Engineering Conference and Exhibit 2000, Las Vegas, NV, United States Of America, 24 - 28 July 2000

LX. Turbomachinery blade design via optimization

EYİ S., Lee K.

38th Aerospace Sciences Meeting and Exhibit 2000, Reno, NV, United States Of America, 10 - 13 January 2000

LXI. Effects of sensitivity analysis on airfoil design

EYİ S., Lee K.

36th AIAA Aerospace Sciences Meeting and Exhibit, 1998, Nevada, United States Of America, 12 - 15 January 1998

LXII. Transonic turbomachinery blade design using optimization

EYİ S., Lee K.

35th Aerospace Sciences Meeting and Exhibit, 1997, Nevada, United States Of America, 6 - 09 January 1997

LXIII. Efficiency improvement in sensitivity evaluation in aerodynamic shape optimization

Eyi S., Lee K.

14th Applied Aerodynamics Conference, 1996, Louisiana, United States Of America, 17 - 20 June 1996, pp.1022-1031

LXIV. Multi-element high-lift design using the Navier-Stokes equations

Eyi S., Chand K., Lee K., Rogers S., Kwak D.

Fluid Dynamics Conference, 1996, Louisiana, United States Of America, 17 - 20 June 1996, pp.1-11

LXV. Effects of sensitivity analysis on aerodynamic design optimization

Eyi S., Lee K.

Proceedings of the 1995 ASME International Mechanical Congress and Exposition, San-Francisco, Costa Rica, 12 - 17 November 1995, vol.232, pp.1-8

LXVI. High-lift design optimization using the Navier-Stokes equations

EYİ S., Lee K. D., Rogers S. E.

33rd Aerospace Sciences Meeting and Exhibit, Reno, NV, U.S.A., 9 - 12 January 1995, vol. 1995

LXVII. Design efficiency evaluation for transonic airfoil optimization: A case for Navier-Stokes design

Hager J., Eyi S., Lee K.

AIAA 23rd Fluid Dynamics, Plasmadynamics, and Lasers Conference, 1993, Florida, United States Of America, 6 - 09 July 1993

LXVIII. Inverse airfoil design using the Navier-stokes equations

Eyi S., Lee K.

AIAA/AHS/ASEE Aerospace Design Conference, 1993, California, United States Of America, 16 - 19 February 1993

LXIX. A multi-point optimization for transonic airfoil design

Hager J., Eyi S., Lee K.

4th Symposium on Multidisciplinary Analysis and Optimization, 1992, Ohio, United States Of America, 21 - 23 September 1992, pp.13-20

LXX. Transonic airfoil design by constrained optimization

Lee K., Eyi S.

9th Applied Aerodynamics Conference, 1991, Maryland, United States Of America, 23 - 25 September 1991

EYİ S., Project Supported by Higher Education Institutions, Kimysal Reaksiyonlu Aero-Termodinamik Akışlarda Jacobian-Free Newton-Krylov (JFNK) ve Adjoint Yöntemleri ile Tasarım Optimizasyon Yazılımı Geliştirilmesi, 2015 - Continues EYİ S., TUBITAK Project, Hipersonik Akışlarda Çok Disiplinli Analiz ve Tasarım Optimizasyonu, 2012 - 2016 EYİ S., Project Supported by Higher Education Institutions, Çok Bloklu (multi-Block) Yapısal (structured) Ağ (grid) Sisteminde Adjoint Yöntemini Kullanarak Tasarım Optimizasyonu, 2011 - 2011

Mobility Activity

Research Scholarship Program, Post Doc, University of Michigan, United States Of America, 2017 - 2018 Research Scholarship Program, Post Doc, University of Michigan, United States Of America, 2017 - 2018

Metrics

Publication: 88
Citation (WoS): 133
Citation (Scopus): 225
H-Index (WoS): 7
H-Index (Scopus): 9

Scholarships

Doktora sonrası araştırma, TUBITAK, 2018 - 2018 Fulbright Program, 2017 - 2018

Non Academic Experience

METU

Department of Aerospace Engineering, University of Michigan, Ann Arbor, Michigan METU METU University of Illinois at Urbana University of İllinois at Urbana