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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-5896-2918

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Education Information

- I. Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Uçak-Uzay Mühendisliği, Turkey 2008 - 2014
- II. Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Uçak-Uzay Mühendisliği, Turkey 2005 - 2008
- III. Undergraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Uçak Mühendisliği, Turkey 2001 - 2005

Foreign Languages

- I. English, C1 Advanced

Dissertations

- I. Doctorate, An ale approach for the numerical simulation of insect flight, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2014
- II. Postgraduate, Design and performance analysis of a mini unmanned coaxial helicopter, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2008

Research Areas

Aeronautical Engineering , Aerodynamics, Performance, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

- I. Assistant Professor, Kocaeli University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2016 - Continues
- II. Research Assistant, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Uçak Mühendisliği, 2005 - 2014

Academic and Administrative Experience

- I. Mevlana Exchange Program Coordinator, Kocaeli University, Havacılık ve Uzay Bilimleri Fakültesi, 2019 - Continues

- I. **The numerical investigation of Lagrangian and Eulerian coherent structures for the near wake structure of a hovering *Drosophila***
Dilek E., ERZİNCANLI B., Şahin M.
THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS, vol.33, pp.255-279, 2019 (SCI-Expanded)
- II. **The numerical simulation of the wing kinematics effects on near wake topology and aerodynamic performance in hovering *Drosophila* flight**
Erzincanli B., Şahin M.
COMPUTERS & FLUIDS, vol.122, pp.90-110, 2015 (SCI-Expanded)
- III. **An arbitrary Lagrangian-Eulerian formulation for solving moving boundary problems with large displacements and rotations**
Erzincanli B., Şahin M.
JOURNAL OF COMPUTATIONAL PHYSICS, vol.255, pp.660-679, 2013 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Numerical Simulation Of The WingKinematic Effects On Near Wake Structure In Hovering *Drosophila* Flight**
Erzincanlı B., Dilek E., Şahin M.
The Engineering Mechanics Institute Conference (EMI 2017), California, United States Of America, 5 - 07 June 2017
- II. **A Numerical Investigation of Two-Different *Drosophila* Forward Flight Modes**
Şahin M., Dilek E., Erzincanlı B.
69th Annual Meeting of the APS Division of Fluid Dynamics, Oregon, United States Of America, 20 - 22 November 2016
- III. **An Integrated Numerical Simulation of a Wing-Body Combination for *Drosophila* Flight**
Şahin M., Dilek E., Erzincanlı B.
ECCOMAS 2016, Hania, Greece, 5 - 10 June 2016
- IV. **An Integrated Simulation of a Wing-Body Combination for a Hovering *Drosophila***
ŞAHİN M., DİLEK E., ERZİNCANLI B.
68th Annual Meeting of the APS Division of Fluid Dynamics, 22 - 24 November 2015
- V. **The Numerical Simulation Of The Wing KinematicsEffects On Aerodynamic Performance In Hovering *Drosophila* Flight**
Erzincanlı B., Şahin M.
The European Numerical Mathematics And Advanced Applications (ENUMATH) Conference, Ankara, Turkey, 14 - 18 September 2015
- VI. **The Direct Numerical Simulation Of The Near Wake Structure Around A Hovering *Drosophila* Flight**
DİLEK E., ERZİNCANLI B., ŞAHİN M.
8th Ankara International Aerospace Conference, 10 - 12 September 2015
- VII. **The Numerical Investigation Of The Eulerian And Langrangian Coherent Structures For Hovering *Drosophila* Flight**
ERZİNCANLI B., ŞAHİN M.
21st Annual Conference Of The Cfd Society Of Canada, 6 - 09 May 2013
- VIII. **Numerical Simulation of *Drosophila* Flight Based on Arbitrary Langrangian-Eulerian Method**
ERZİNCANLI B., ŞAHİN M.
65th Annual Meeting of the APS Division of Fluid Dynamics, 18 - 20 November 2012
- IX. **Ale Approach For The Numerical Simulation Of *Drosophila* Flight**
ERZİNCANLI B., ŞAHİN M.
6th European Congress On ComputationalMethods In Applied Sciences And Engineering, 10 - 14 September 2012

- X. **A stable unstructured finite volume method with arbitrary Lagrangian-Eulerian formulation for the numerical simulation of insect flight**
Erzincanlı B., Şahin M.
41st AIAA Fluid Dynamics Conference and Exhibit 2011, Honolulu, HI, United States Of America, 27 - 30 June 2011
- XI. **Ablative Material Testing In VKI Plasmatron Facility**
ERZİNCANLI B., ASMA C. O., CHAZOT O.
10th AIAA/ASME Joint Thermophysics And HeatTransfer Conference, 28 June - 01 July 2010
- XII. **Design And Performance Analysis Of A Mini Unmanned Coaxial Helicopter**
ERZİNCANLI B., ASLAN A. R.
4th Ankara International Aerospace Conference, 10 - 12 September 2007

Scientific Refereeing

- I. Journal of aviation, Other Indexed Journal, March 2021

Tasks In Event Organizations

- I. Erzincanlı B., Tübitak Uluslararası İnsansız Hava Araçları Yarışması, Social Activities, Turkey, Eylül 2021

Mobility Activity

- I. Post Doc, Post Doc, Rice University, United States Of America, 2018 - 2019
- II. Bilateral Colloboration Agreement, Scientific Research, Von Karman Institute, Belgium, 2008 - 2009

Metrics

Publication: 15
Citation (WoS): 25
Citation (Scopus): 32
H-Index (WoS): 2
H-Index (Scopus): 3

Invited Talks

- I. Engineering Mechananics Institute, Conference, Engineering Mechananics Institute, United States Of America, June 2017

Coaching Duties

Refereeing Duties
