

RESUME:

Asst. Prof. Yavuz NACAĞLI

He graduated from Aerospace Engineering Department of Turkish Air Force Academy in 1997. He worked as an aircraft maintenance officer in various bases of Turkish Air Force, and as an engineer officer in the 2nd ASMC Command. He completed his MSc in Aerospace Engineering Department of Middle East Technical University in 2003 and PhD in Mechanical & Aerospace Engineering Department of Old Dominion University in 2010, respectively. He worked as a faculty member and head of Aerospace Engineering Department of NDU Air Force Academy from 2017 to 2019. He is still working as a lecturer in NDU Air NCO Vocational School Aviation Sciences Department. He continues his studies in the fields of fluid mechanics, experimental aerodynamics and aircraft maintenance.

Thesis Supervised:

MSc (Completed)

1. Daşık Eren, (2020). Thermodynamic cycle analysis of a turbojet engine for UAV, National Defense University, Hezârfen Aeronautics and Space Technologies Institute.
2. Alabaş Hüsamettin Alperen, (2019). Computational fluid dynamics analysis of interaction of flow around helicopter rotor with ship airwake, National Defense University, Hezârfen Aeronautics and Space Technologies Institute.

MSc (Continued)

1. Çiftçi Aykut. Airfoil optimization under functional and geometric constraints, National Defense University, Hezârfen Aeronautics and Space Technologies Institute.

PhD (Continued)

1. Alabaş Hüsamettin Alperen. Compressible flow analysis with experimental and computational fluid dynamics methods, National Defense University, Hezârfen Aeronautics and Space Technologies Institute.

Project Work:

1. MİSAG-196 Measurement of Dynamic Stability Derivatives of a Generic Combat Aircraft Model in the Ankara Wind Tunnel, TÜBİTAK Project, Researcher: Nacaklı Yavuz, Coordinator: Alemdaroğlu Hüseyin Nafiz, 01.03.2002 - 01.03.2004.

Courses taught:

2019-2020

Fluid Mechanics	Turkish	2
Aviation Legislation	Turkish	2
Hydraulic and Pneumatic Systems	Turkish	3
Basic Aerodynamics	Turkish	3

2018-2019

Basic Aerodynamics	Turkish	3
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Aviation Legislation	Turkish	2
Measurement Techniques	Turkish	3
Introduction to Aerospace Engineering	Turkish	2
Aerodynamics -I	Turkish	4
Scientific Research Methods	Turkish	3

2017-2018

Aerodynamics -I	Turkish	4
Measurement Techniques	Turkish	3
Introduction to Aerospace Engineering	Turkish	2

International Journal Papers:

1. Eginli Mehmet Ali, Nacaklı Yavuz (2020). Evaluation of augmented reality use in aircraft maintenance training. *Journal of Aviation*, 4(1), 61-78., Doi: 10.30518/jav.738367.
2. Geçgel Murat, Nacaklı Yavuz (2018). A methodology for the analyses of unsteady flowfields around forward flying helicopter rotors. *Journal of Aeronautics and Space Technologies*, 11(2), 71-82.
3. Nacaklı Yavuz, Landman Drew, Doane Stargel (2012). Investigation of backward-facing-step flow field for dynamic interface application. *Journal of the American Helicopter Society*, 57(3), 1-9., Doi: 10.4050/JAHS.57.032005.

International Conference Papers:

1. Alabaş Alperen, Nacaklı Yavuz (2019), Unsteady 3D computational fluid dynamics simulation of a mini unmanned aerial vehicle propeller, *International Marmara Science and Social Sciences*.
2. Nacaklı Yavuz, Geçgel Murat (2018), Military aviation examples within occupational health and safety, 9th International Congress on Occupational Safety and Health.
3. Nacaklı Yavuz, Yıldırım Musa (2014), Airworthiness certification activities in military aviation and their effects on flight safety, 2nd International Aviation Management Conference.
4. Nacaklı Yavuz, Karadurmuş Zekeriya (2013), Structural analytical control program for C-130 fleet of Turkish Air Force, 7th Ankara International Aerospace Conference.
5. Nacaklı Yavuz, Landman Drew (2011), Helicopter downwash/frigate airwake interaction flowfield PIV surveys in a low speed wind tunnel, AHS International 67th Annual Forum Technology Display, 2988-2998.
6. Nacaklı Yavuz, Landman Drew (2010), Identification of regions of ship airwake influence on helicopter downwash using statistically designed experiments, *International Powered Lift Conference*, 235-240.
7. Alemdaroğlu Hüseyin Nafiz, Nacaklı Yavuz, Uysal Hüseyin, Şahin Turgay, Quagliotti Fulvia, Guglieri Giorgio (2003), Roll oscillatory test in a low speed wind tunnel, *AIAA 41st Aerospace Sciences Meeting and Exhibit*, Doi: 10.2514/6.2003-398.

National Conference Papers:

1. Daşık Eren, Nacaklı Yavuz (2019), Components of a turbojet engine used for UAVs and exergy analysis parameters, 10th National Aircraft and Aerospace Engineering Congress.
2. Nacaklı Yavuz, Yıldırım Musa (2014), Role of air supply and maintenance centers for material production for military aircrafts and airworthiness certification activities, 3rd National Advanced Technologies in Aviation Conference.

Editorial board:

1. Journal of Aeronautics and Space Technologies (TR DİZİN), Journal, Turkish Air Force Academy Printing Office, 01.01.2019-30.06.2019.
2. Journal of Aeronautics and Space Technologies (TR DİZİN), Journal, Turkish Air Force Academy Printing Office, 01.07.2019-31.12.2019.
3. The Journal of Aeronautics and Space Technologies (Area indices), Journal, Editor, Turkish Air Force Academy Printing.