

DR. ALQADI, Ibraheem M.

Associate Professor, Aerospace Engineering Dept., King Abdulaziz University

Education

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Aerospace Engineering	The Ohio State University	2003
MS	Aerospace Engineering	The Ohio State University	1997
BS	Aeronautical Engineering	King Abdulaziz University	1993

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part-Time</i>
1993	1994	King Abdulaziz Univ.	Teaching Assist.		Full-Time
2003	2019	King Abdulaziz Univ.	Assist. Prof.		Full-Time
2020	Date	King Abdulaziz Univ.	Associate Prof.		Full-Time

Non Academic Experience (including Consultations)

None

Certifications and Professional Registrations

None

Current Membership in Professional Societies and Organizations

<i>Society</i>	<i>Rank</i>	<i>Member Since</i>
American Institute of Aeronautics and Astronautics (AIAA).	Senior member	2004
Saudi Society for Aerospace Sciences (SASS)	member of the founding committee, currently member	2005
Saudi Council of Engineers	member	2005

Honours and Awards

Fulbright Scholarship 2010 (12 months).

Visiting Scholar, Department of Aeronautics & Astronautics, Stanford University, USA. 2010.

Visiting Scholar, Department of Aerospace Engineering and Mechanics, University of Minnesota, USA. Summer 2009.

Visiting Scholar, School of Engineering & Science, University of Southampton, UK. Summer 2008.

Visiting Scholar, School of Engineering & Technology, De Montfort University, UK. Summer 2012.

Service Activities (within and outside of the institution)

Head of the Curriculum Development Committee, AE Dept., KAU, 2006-present

Member of the Scientific Research Committee, Faculty of Engineering, KAU, 2006-present

Member of the Laboratories Committee, AE Dept., KAU, 2006-present

Member of the Departmental Accreditation Committee, AE Dept., KAU, 2004-2007

Principal Publications/Presentations from the Past Five Years

1. O. Obeid, I. AlQadi, J. AlMutairi. "Computational Study of Asymmetric Wake-Vortex Around Ogive-Cylinder Body at High Angles of Attack" *Theoretical and Computational Fluid Dynamics*, Volume 33, Issue 5, pp 481–508, 2019.
2. I. AlQadi, E. Eljack. "Investigation of Flow Around a Slender Body at High Angles of Attack" Accepted for publications in *KAU Journal of Engineering Sciences*, 2019.
3. O. Obeid, I. AlQadi. "Computational Study of Asymmetric Wake-Vortex Around Ogive-Cylinder Body at High Angles of Attack" *2018 AIAA Aerospace Sciences Meeting, AIAA SciTech Forum*, AIAA 2018-1829.
4. J. AlMutairi, E. Eljack, I. AlQadi, "Dynamics of laminar separation bubble over NACA-0012 airfoil near stall conditions" *Journal of Aerospace Science and Technology*, 68 (2017) 193–203.
5. I. AlQadi, E. Eljack. "Numerical Investigation of Flow Asymmetry Around Slender Body at High Angles of Attack." *54th AIAA Aerospace Sciences Meeting*. 2016.
6. E. Eljack, I. AlQadi. "Implementation of Vortex-type Gust Model Through Boundary Conditions" *33rd AIAA Applied Aerodynamics Conference*. 2015.
7. I. AlQadi, M. AlHazmy, A. Al-Bahi, W. Rodi. "Large Eddy Simulation of Flow Past Tandem Cylinders in a Channel. *Flow, Turbulence and Combustion*, 95(4), 621–643, 2015.
8. J. Almutairi, I. AlQadi, E. Eljack. "Influence of Periodic Forcing on Laminar Separation Bubble," *Direct and Large Eddy Simulation – DLES10*, Limassol, Cyprus, 27–29 May, 2015.
9. E. Eljack, I. AlQadi, M. Khalid. "Numerical Simulation of Surface Porosity in Presence of Wing-Vortex Interaction," *Aircraft Engineering and Aerospace Technology journal*, 87(5), 443–453, 2014.
10. I. AlQadi, S. Hafez, M. Khalid. "Aerodynamic Performance Studies with a Trailing Edge Jet Flap," *Canadian Aeronautics and Space journal*, 60(2), 23–35, 2014.
11. J. Almutairi, I. AlQadi, E. Eljack. "Large Eddy Simulation with Periodic Forcing of Low-Frequency Flow Oscillation near Airfoil Stall". *66th Annual Meeting of the APS Division of Fluid Dynamics* 58(18), 2013.
12. J. Almutairi, I. AlQadi, E. Eljack. "Large Eddy Simulation of NACA-0012 Near Stall," *Direct and Large Eddy Simulation - DLES9*, Dresden, Germany, April 3-5, 2013.
13. Almutairi, J. H., and I. AlQadi. "Large-Eddy Simulation of Natural Low-Frequency Oscillations of Separating–Reattaching Flow Near Stall Conditions" *AIAA journal*, 51(4), 981–991, 2013.
14. J. Almutairi, I. AlQadi. "Large Eddy Simulation of Natural Low-Frequency Flow Oscillations Around Airfoil Near Stall" *AIAA 2012-2698, 42nd AIAA Fluid Dynamics Conference and Exhibit*, New Orleans, Louisiana, June 25–28, 2012.
15. A. Khaled, I. AlQadi. "Theoretical investigation on thermal insulation performance of closed cavity containing a hollow cylinder" *Energy and Buildings*, Vol. 54, 2012.
16. Almutairi, J.H., & AlQadi, I. M., "Numerical Investigation of Unsteady Behavior of Laminar Separation Bubble Near Stall Conditions" *European Congress on Computational Methods in Applied Sciences and Engineering ECCOMAS 2012*, Vienna, Austria, September 10-14, 2012.

Recent Professional Development Activities (Workshops, training, etc.)

1. "Recent Changes in EAC of ABET Accreditation Requirements" QAAU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, Jan. 2020
2. Python for Scientists and Engineers 13-17 March 2017 Washington, DC, USA
3. OpenFOAM Foundation course 23-24 June 2014 San Francisco, CA, USA
4. OpenFOAM Advanced course 25-26 June 2014 San Francisco, CA, USA