

DR. AL-QADI, Ibraheem M.*Assistant Professor, Aeronautical 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	Date	King Abdulaziz Univ.	Assist. Prof.		Full Time

Non Academic Industrial Experience (including Consultations)

None

Funded Research Projects and Patents from the Past Five Years

- 1 2005-2008, Consultant, Space Research Institute, King AbdulAziz City for Science and Technology, KACST, Riyadh, Saudi Arabia
- 2 2009-2011, National Plan for Science and Technology, King AbdulAziz City for Science and Technology, KACST, *High Angle of Attack Aerodynamics*
- 3 2009-2011, National Plan for Science and Technology, King Abdulaziz City for Science and Technology, KACST, *Modeling and analysis of motivated thermal system components possessing enhanced heat transfer capabilities.*
- 4 2013-2015, National Plan for Science and Technology, King Abdulaziz City for Science and Technology, KACST, *Modeling and analysis of motivated thermal system components possessing enhanced heat transfer capabilities.*
- 5 2014-2016, National Plan for Science and Technology, King Abdulaziz City for Science and Technology, KACST, *Modeling and analysis of motivated thermal system components possessing enhanced heat transfer capabilities.*
- 6 2012-2014, HiCi Research Initiative Project, King Abdulaziz University, *Large Eddy Simulation of Flow past Tandem Cylinders in Passages with Heat Transfer.*

Certifications and Professional Registrations

None

Current Membership in Professional Societies and Organizations

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

Honours and Awards

1. Visiting Scholar, Department of Aeronautics & Astronautics, Stanford University, USA. 2010.
2. Visiting Scholar, Department of Aerospace Engineering and Mechanics, University of Minnesota,

USA. Summer 2009.

3. Visiting Scholar, School of Engineering & Science, University of Southampton, UK. Summer 2008.
4. Visiting Scholar, School of Engineering & Technology, De Montfort University, UK. Summer 2012.

Institutional and Professional Services (*administration, committees, units, etc.*)

1. Head of the Curriculum Development Committee, AE Dept., KAU, 2006-present
2. Member of the Scientific Research Committee, Faculty of Engineering, KAU, 2006-present
3. Member of the Laboratories Committee, AE Dept., KAU, 2006-present
4. Member of the Departmental Accreditation Committee, AE Dept., KAU, 2004-2007

Principal Publications/Presentations from the Past Five Years

- 1 Eljack, E., AlQadi, I., and Khalid, M., "Numerical Simulation of Surface Porosity in Presence of Wing-Vortex Interaction", Accepted for publication in *Aircraft Engineering and Aerospace Technology journal*, 2014.
- 2 AlQadi, I., Hafez, S., and Khalid, M., "Aerodynamic Performance Studies with a Trailing Edge Jet Flap", Accepted for publication in scientific journal, *Canadian Aeronautics and Space journal*, 2014.
- 3 Almutairi, J., AlQadi, I., and Eljack, E., "Large Eddy Simulation with Periodic Forcing of Low-Frequency Flow Oscillation near Airfoil Stall". 66th Annual Meeting of the APS Division of Fluid Dynamics Volume 58, Number 18, November 24–26, 2013, Pittsburgh, Pennsylvania, USA.
- 4 Almutairi, J.H., AlQadi, I. M., & Eljack, E. E., " Large Eddy Simulation of NACA-0012 Near Stall," Direct and Large Eddy Simulation - DLES9, Dresden, Germany, April 3 – 5, 2013.
- 5 Almutairi, J. H., and AlQadi, I. M., "Large-Eddy Simulation of Natural Low-Frequency Oscillations of Separating–Reattaching Flow Near Stall Conditions." *AIAA journal*, Vol. 51, No. 4, pp. 981-991, 2013.
- 6 Almutairi, J.H., & AlQadi, I. M., "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.
- 7 Khaled, A. A., AlQadi, I. M., "Theoretical investigation on thermal insulation performance of closed cavity containing a hollow cylinder," *Energy and Buildings*, Vol. 54, 2012.
- 8 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.
- 9 Khaled, A. A., AlQadi, I. M., "Augmentation of Heat transfer in Wall-Rooted-Fins Systems," *International Journal of Numerical Methods for Heat and Fluid Flow*, Vol. 22, issue 2, 2012.

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

1. "Recent Changes in EAC of ABET Accreditation Requirements" ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, Jan. 2014