

DR. JUHANY, Khalid A.*Assistant Professor, Aeronautical Engineering Dept., King Abdulaziz University***Education**

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Aeronautics and Electrical Engineering	California Institute of Technology	1993
MS	Aeronautics	California Institute of Technology	1989
BS	Mechanical Engineering,	George Washington University	1987

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>
1994	Date	King Abdulaziz Univ.	Assist. Prof.		Full Time

Non Academic Industrial Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
1996	2008	Ministry of Industry and Trade	Special Assistant		Part Time
2010	Date	Ministry of Transportation	Special Assistant		Part Time

Funded Research Projects and Patents from the Past Five Years

1. Grant No. 012/416, King AbdulAziz University, Research Project, 2006.
- 2.

Certifications and Professional Registrations

None

Current Membership in Professional Societies and Organizations

<i>Society</i>	<i>Rank</i>	<i>Member Since</i>
1. American Inst. of Aeronautics & Astronautics, AIAA	Associate Member	1994
2. American Society of Mechanical Engineers, ASME	Member	2005
3. Saudi Society for Aerospace Sciences	member of the founding committee, currently member	2003
4. Saudi Council of Engineers	Member	2005
5. Tau Beta Pi Engineering honorary society	Member	1992
6. Pi Tau Sigma Mechanical Engineering honorary society.	Member	1992

Honors and Awards

1. 1998 and 1996 Engineering Faculty awards
3. 1987 Honors Research program Award, GWU, Washington, D.C. USA

4. 1986 Tau Beta Pi Sophomore of the Year, USA
5. 1986 President of Gama chapter Tau Beta P I Engineering honorary society

Institutional and professional service in the last five years (*administration, committees, units, etc.*)

1. Chairman, Aeronautical Engineering Department, KAU, 2005-present.
2. Head of the Executive Committee, AE Dept., KAU, 2006-present.
3. Member, Curriculum Development Committee, AE Dept., KAU, 2005- present.
4. Academic advisor for AE students, AE Dept., KAU,
5. Head of the Department Laboratories committee, AE Dept., KAU, 1998-2005
- 6 Co-Founder , The Advanced Fluid Dynamics Lab, KAU, 2006

Principal Publications/Presentations from the Past Five Years

1. S. Alzhrani, S. Hafez, K. A. Juhany and I. Al-Qadi. Tomo-PIV Measurements of Flow around A slender Body at High Angles of Attack. Accepted for publication on Fluid Mechanics and its Applications Volume: "Instability and Control of Massively Separated Flows", Springer, 2014
2. S. Alzhrani, S. Hafez, K. A. Juhany and I. Al-Qadi. Tomo-PIV Measurements of Flow around A slender Body at High Angles of Attack. ICOMASEF, Prato, Italy Sep. 2013.
3. M. Burchak, A. Khan and K. A. Juhany, "Effect of preheating and post curing time on the mechanical properties of epoxy resin". ADV COMPOS LETT, 22(5), 2013.
4. K.A. Juhany, M. Burchak, A. Khan," Cure cycle effect on epoxy resin tensile mechanical properties". Proceedings of CIMDD2013, ISBN: 78 9931 9090 19, Boumerdes, Algeria, 2013.
5. M. Burchak, S. S. Al Saiare, F. Al Solami and K. A. Juhany, "Teaching undergraduate students aerospace structural analysis by analyzing, redesigning, and building a kit aircraft". Proceedings of AEROTECH III ISBN: 978 983 42130 2 2. P.190-194, Kuala Lumpur, Malaysia, November 2009
6. M. Burchak, Y. Dobah B. Al Osemi and K. A. Juhany, "Manufacturing and testing of CFRP composite morphing airfoils". AEROTECH III, Kuala Lumpur, Malaysia, November 2009
7. M. Burchak, B. Kada, M. Alharbi, K. A. Juhany, "Nanocomposites damage characterization using finite element analysis". Int. J. of Nanoparticles, Vol.2, No.1/2/3/4/5/6, P.467-475, 2009

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