

**DR. ELJACK, Elteyeb***Assistant Professor, Aeronautical Engineering Department, King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Mechanical Engineering	Osaka University, Japan	2009
M.Sc.	Mechanical Engineering	Chalmers University of Technology, Sweden	2003
B.Sc.	Mechanical Engineering	Khartoum University, Sudan	1998

**Academic Experience**

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	
1998	1999	Khartoum University	Teaching Assistant	Part Time
1999	2003	Khartoum University	Teaching Assistant	Full Time
1999	2002	University of Petroleum CNPC (Beijing)	Research Assistant	Full Time
2002	2003	Chalmers University of Tech.	Graduate Student	Full Time
2003	2009	Khartoum University	Lecturer	Full Time
2006	2009	Osaka University	Graduate Student	Full Time
2009	2012	Khartoum University	Assistant Professor	Full Time
2012	Date	King Abdulaziz University	Assistant Professor	Full Time

**Non Academic Industrial Experience (including Consultations)**

None

**Funded Research Projects from the Past Five Years**

1. “*Design, Fabrication, and testing of a low-speed wind tunnel*”, Funded by the Ministry of Higher Education and Scientific Research- Sudan. 2010-2012.
2. *Innovative Methods to Improve Aerodynamic Performance of Aircraft*, (Funded by King AbdulAziz City of Science and Technology KACST, KSA).

**Certifications and Professional Registrations**

None

**Current Membership in Professional Societies and Organizations**

	<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1.	ASME	Member	2007
2.	JFSM (The Japan Society of Fluid Mechanics)	Member	2007

**Honours and Awards**

1. MEXT scholarship for PhD, Osaka – Japan, 2006
2. APS 56th DFD meeting travel grant, New Jersey – USA, 2003.
3. Faculty of applied Mechanics scholarship, (CTH), Sweden, 2002-2003
4. University award for the best academic performance in the fifth year, 1997.
5. University award for the best academic performance in the fourth year, 1996.
6. The late Serkis Azmerlian award for the best academic performance in the fourth year, 1996.
7. China National Petroleum Company (CNPC) scholarship, 1999 – 2002.
8. University award for the best academic performance in the third year, 1995.
9. The late Serkis Azmerlian award for the best academic performance in the third year, 1995.

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

None

**Principal Publications/Presentations from the Past Five Years**

1. Ahmed D. E. and Eljack E. M. (2014) “Optimization of Model Wind-Tunnel Contraction Using CFD”, to be presented in the 10<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, 14-16 July 2014, Florida, USA.
2. Elteyeb Eljack, Ibraheem AlQadi, and Mahmood Khalid, (2014) “Numerical Simulation of Surface Porosity in Presence of Wing-Vortex Interaction”, Accepted for publication in scientific journal.
3. Elteyeb Eljack, (2014) “On Low Dimensional Modelling of Near-Wall Turbulence”, Accepted for publication in scientific journal.
4. Jaber Almutairi, Ibraheem AlQadi, and Elteyeb Eljack, (2013), “Large Eddy Simulation of Low-Frequency Flow Oscillation near Airfoil Stall”, Direct and Large-Eddy Simulation 9, Dresden, Germany.
5. Jaber Almutairi, Ibraheem AlQadi, and Elteyeb Eljack, (2013), “Large Eddy Simulation with Periodic Forcing of Low-Frequency Flow Oscillation near Airfoil Stall”. 66<sup>th</sup> Annual Meeting of the APS Division of Fluid Dynamics Volume 58, Number 18, November 24–26, 2013; Pittsburgh, Pennsylvania, USA.
6. Elteyeb Eljack, (2012), “Optimum Basis for Turbulent Shear Flow”, University of Khartoum Engineering Journal, Vol. 2 No. 1, pp. 31—36.  
Elteyeb Eljack, (2009), “Spectral-POD Model for Large-Scale Structures in a Fully Developed Turbulent Channel Flow”, AIP proceedings, ISBN: 978-0-7354-0709, Volume 1168, pp. 653-656, DOI:10.1063/1.3241548.

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

“Progress in Flow Instability Analysis and Laminar-Turbulent Transition Modeling,” Lecture series, von Karman Institute for Fluid Dynamics, Waterloo seesteeweg 72, 1640 Sint-Genesius-Rode, Belgium, June 2014.

1. “Academic Program Review (ABET)”, Training Course, Faculty of Engineering, University of Khartoum, Khartoum, Sudan, January 2011.
2. “Academic staff development”, Training Course, Academic staff development center, Faculty of Education, University of Khartoum, Omdurman, Sudan. 2009.
3. “Effective teaching strategies”, Training Course, Academic staff development center, Faculty of Education, University of Khartoum, Omdurman, Sudan. 2009.
4. “Communication skills”, Training Course, Academic staff development center, Faculty of Education, University of Khartoum, Omdurman, Sudan. 2009.