

DR. KHALID MUNAWAR

Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University

Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Aeronauts & Space Engineering	Tohoku University, Sendai, Japan	2000
MS	Aeronauts & Space Engineering	Tohoku University, Sendai, Japan	1997
BS	Electrical Engineering	UET Lahore, Pakistan	1992

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i> <i>(Chair, Full or Coordinator, etc.)</i>	<i>Part Time or Full Time</i>
2001	2002	Tohoku University, Sendai, Japan	Assistant Professor		Full Time
2002	2004	NUST, Islamabad, Pakistan	Assistant Professor		Full Time
2004	2008	NUST, Islamabad, Pakistan	Associate Professor		Full Time
2008	2011	NUST, Islamabad, Pakistan	Professor		Full Time
2011	2012	Qassim University, KSA	Professor		Full Time
2012	Date	King Abdulaziz Univ., KSA	Professor		Full Time

Non Academic Experience *(including Consultations)*

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position</i> <i>(Brief)</i>	<i>Description</i>	<i>Full or Part Time</i>
1994	1995	Tohoku University, Sendai, Japan	Research Student	R&D Projects		Full Time
1999	1999	Tohoku University, Sendai, Japan	Research Assistant	R&D Projects		Part Time
2000	2001	Tohoku University, Sendai, Japan	Postdoctoral Fellow	R&D Projects		Full Time

Funded Research Projects and Patents from the Past Five Years

1. NSTIP Grant By KACST, KSA for The Strategic Project “Modeling and Flight Control System Design for Autonomous UAV,” 2–years Proposal Worth SAR 1.995 Million, 2013.
2. NSTIP Grant By KACST, KSA for The Strategic Project “Gyro-Stabilized Platform Design and Air-to-Ground Video Target Tracking In Urban Environment,” 2–years Proposal Worth SAR 1.898 Million, 2014.

Certifications and Professional Registrations

1. Registered Professional Engineer with Pakistan Engineering Council

Current Membership in Professional Societies and Organizations

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
-----------------------------	-------------	---------------------

Honors and Awards

1. 2nd and 3rd Prize In Control / Automated Systems Category In All-Pakistan Computer Programming and Engineering Competition (COMPPEC) In 2009.
2. 1st Prize In Utilities Category In All-Pakistan Computer Programming and Engineering Competition (COMPPEC) In 2010.

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

1. Supervised 04 PhD Theses In Electrical Engineering At National University of Sciences & Technology, Islamabad, Pakistan.
2. Active Member of Pakistan Engineering Council's Engineering Programs' Accreditation Committees From 2007 To 2012.
3. Member of National Curriculum Design Committees of Higher Education Commission (HEC) of Pakistan for Electrical/Electronics and Mechatronics Engineering Programs.
4. Member of The Electrical Engineering Postgraduate Academic Council of Centre for Advanced Studies In Engineering (CASE), Islamabad, Pakistan.
5. Member of The ABET Committee of The Electrical & Computer Engineering Department, King Abdulaziz University, Jeddah, KSA.
6. Member of The Center of Excellence for Intelligent Engineering Systems (CEIES), College of Engineering, King Abdulaziz University, Jeddah, KSA.

Principal Publications/Presentations from the Past Five Years

1. Arbab Waleed Ahmed, Farrukh Kamran and Khalid Munawar, "A Robust Speed Estimation Method for Sensor-less Control of Wind Driven Induction Generator," Mehran University Research Journal of Engineering and Technology, Mehran University of Engineering and Technology / Pakistan, no. 2, vol. 28, pp. 159–70, 2009.
2. Fahad Mumtaz Malik, M. Bilal Malik and Khalid Munawar, "Sampled Data State Feedback Stabilization of a Class of Non-linear Systems Based on Euler Approximation," Asian Journal of Control, John Wiley and Sons (Asia) / Singapore, no. 1, vol. 13, pp. 186–97, 2011.
3. Yasar Ayaz, Atsushi Konno, Khalid Munawar, Teppei Tsujita, Shunsuke, Komuzunai and Masaru Uchiyama, "A Human-Like Approach Towards Humanoid Robot Footstep Planning," Int. Journal of Advanced Robotic Systems (ARS), I-Tech Publishers, no. 8, vol. 4, pp. 98–109, 2011.
4. Fahad Mumtaz Malik, Mohammad Bilal Malik and Khalid Munawar, "Discretization Error Bounds for Sampled-Data Control of Nonlinear Systems," Arabian Journal for Science and Engineering, ISSN 1319-8025, DOI 10.1007/s13369-013-0647-5, no. 38, vol. 12, 2013.
5. Yasar Ayaz, Atsushi Konno, Khalid Munawar, Teppei Tsujita and Masaru Uchiyama, "Navigation Planning with a Human-like Approach," Mobile Robots Navigation, In-Tech Publishers, pp. 223–40, 2010.

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

1. First Hand Training on LabVolt's Engineering Education and Training Systems At LabVolt Quebec, Canada, 2008.
2. MEMS Design Workshop on IntelliSuite At Pakistan Institute of Engineering and Applied Sciences, Islamabad, Pakistan, 2007.