

DR. MUHAMMAD SHEHZAD HANIF

Assistant 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	Computer Engineering	Université de Paris 6, France	2009
MS	Engineering Sciences	Université de Paris 6, France	2006
BS	Electrical Engineering	University of Engineering and Technology, Lahore, Pakistan	2001

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</i>
2010	2012	University of Engineering and Technology, Lahore, Pakistan	Assistant Professor			Full Time
2012	Date	King Abdulaziz University	Assistant 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>Description</i>	<i>Full or Part Time</i>
2001	2003	Communication Technologies – AVAZ Networks, Islamabad, Pakistan	Enabling DSP Software Engineer	Implementation	optimization of voice and video codecs for DSP processors	Full Time
2003	2004	Centre for Advance Research in Engineering (Pvt) Ltd, Islamabad, Pakistan	Design Engineer	Team leader.	Design of image binarization and matching techniques	Full Time
2004	2005	Re-Engineering With Research (Pvt) Ltd, Islamabad, Pakistan	Senior Design Engineer	Design and realization	of source separation algorithms using clustering	Full Time

Funded Research Projects and Patents from the Past Five Years

1. “Gyro-Stabilized Platform Design and Air-to-Ground Video Target Tracking In Urban Environment” KACST Advanced and Strategic Technologies Program, Co-PI, 2014

Certifications and Professional Registrations

1. Registered As Professional Engineer with Pakistan Engineering Council.

Current Membership in Professional Societies and Organizations

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
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Honors and Awards

1. Among Top 10 Graduates of Electrical Engineering Department, University of Engineering and

Technology, Lahore, Pakistan, 2001

2. Winner of Scholarship for Ph. D. By Higher Education Commission of Pakistan, 2005

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

1. Member of ABET Committee At Department of Electrical and Computer Engineering, King Abdulaziz University, Jeddah, Saudi Arabia
2. Secretary and Member of Post-Graduate Research Committee At Department of Mechatronics Engineering, University of Engineering and Technology, Lahore, Pakistan, 2010-2012
3. Project In-charge and Session Advisor of Undergraduate Projects At Department of Mechatronics Engineering, University of Engineering and Technology, Lahore, Pakistan, 2011-2012
4. Advisor of 6 MS Research Projects, 2007 – 2012
5. Member of Editorial Committee of Journal of Space Technologies, ISSN 2077-3099
6. Member of The Organization Committee of 3rd International Workshop on Artificial Neural Networks In Pattern Recognition (ANNPR), 2008
7. Member of Technical Program Committee of 10th International Conference on Frontiers of Information Technology To Be Held on December 17-19,2012, Islamabad, Pakistan

Principal Publications/Presentations from the Past Five Years

1. Senechal T., Prevost L. and Muhammad Hanif. S. (2010). Neural Network Cascade for Facial Feature Localization. Fourth IAPR TC3 Workshop on Artificial Neural Networks In Pattern Recognition (ANNPR), Pages 141-148
2. Muhammad Hanif, S. and Prevost, L (2009). On the Detection of Textual Information In Metro Stations. International Conference on Frontiers of Information Technology (FIT). Pages 20:1-20:6.
3. Muhammad Hanif, S. and Prevost, L (2009). Text Detection and Localization In Complex Scene Image using Constrained AdaBoost Algorithm. International Conference on Document Analysis and Recognition (ICDAR), Pages 1-5.

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

