

# Shahzor Ahmad

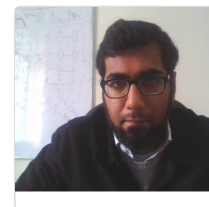
Assistant Professor

College of Electrical & Mechanical Engineering

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## About

Dr. Shahzor Ahmad is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Shahzor Ahmad has a PhD in Computer Vision. Dr. Shahzor Ahmad has published 5 research articles & conference papers having a citation count of 242, carried out 4 projects and filed 1 intellectual property.

## Qualifications

<b>PhD in Computer Vision</b> National University of Singapore , Singapore	2011 - 2016
<b>MSc in Electrical &amp; Electronic Engineering (Signal Processing)</b> Nanyang Technological University , Singapore	2010 - 2011
<b>BE in Electronics Engineering</b> NUST, Islamabad , Pakistan	2005 - 2009

## Experience

<b>Assistant Professor</b> College of Electrical & Mechanical Engineering	2022- Present
<b>Assistant Professor</b> College of Electrical & Mechanical Engineering	2018 - 2022
<b>Assistant Professor</b> College of Electrical & Mechanical Engineering	2017 - 2018
<b>Teaching Assistant</b> National University of Singapore , Dept. of ECE, National University of Singapore, 21 Lower Kent Ridge Rd, Singapore. 119077	2014 - 2016
<b>Lab Demonstrator</b> National University of Sciences & Technology , NUST PN Engineering College, Habib Rahmatullah Road, Karachi	2009 - 2009
<b>R&amp;D Engineer</b> SalTec Powerlink , 1-A/2, Sector 15, Korangi Industrial Area, Karachi	2009 - 2009

## Awards

<b>NUS Research Scholarship</b> A 4-year fully-funded academic scholarship to train for a doctorate at National University of Singapore, ranked #1 in Asia and #12 in the world by QS World University Rankings 2015-16.	2011
<b>President's Gold Medal</b> Received the President of Pakistan Gold Medal Award at the 21st Convocation, PNEC, NUST for securing the highest CGPA among the Class of 2009.	2009
<b>4th Best Student Paper</b> 4th best student paper at the 24th IEEEEP All Pakistan Students' Seminar 2009. Thus received Silver Medal and cash prize at the 24th IEEEEP Multi-Topic International Symposium, Apr. 2009, Karachi, Pakistan.	2009
<b>2nd in DHA Karachi</b> Declared 19th in Karachi in Secondary School Examinations (Science Group), scoring a total of 90.7% marks. Awarded certificates and cash prizes by both the Board of Secondary Education Karachi, and Administrator DHA, as well as academic scholarship by Bahria College Karachi for Higher School Education.	2003
<b>Merti Scholarships</b> Received NUST merit scholarships throughout undergraduate studies for scoring semester GPAs>3.5.	

Professional Memberships

PEC

Research Projects

National Projects

<b>Finger Reader: A Wearable Device to Explore Printed Text on the Go.</b> Funding Agency: IGNITE Amount: PKR 21,500.00 Status: Completed	2018
<b>Smart Traffic Profiling for Intelligent Road Transportation</b> Funding Agency: HEC Amount: PKR 10,742,150.00 Status: Completed	2019
<b>FingerReader: A Wearable Device to Explore Printed Text On-the-Go</b> Funding Agency: IGNITE Amount: PKR 21,000.00 Status: Completed	2018
<b>Automatic Number Plate Recognition</b> Funding Agency: HEC Amount: PKR 500,000.00 Status: Approved_inprocess	

International Projects

Research Articles

<b>Enhancing photovoltaic systems using Gaussian process regression for parameter identification and fault detection</b> <i>Aqdas Javaid Imran Shafi Ihsan Ullah Khalil Shazor Ahmad MejdI Safran Sultan Alfarhood Imran Ashraf Energy Reports</i> , Volume 11, Pages 4485-4499 Impact Factor: 5.200   Quartile: 2   Citations: 6 DOI: <a href="https://doi.org/10.1016/j.egyr.2024.04.026">https://doi.org/10.1016/j.egyr.2024.04.026</a>	2024
<b>Implementation of Smart Grid Technologies in Pakistan under CPEC Project: Technical and Policy Implications</b> <i>Azhar Ul Haq Marium Jalal Mohammad Shahmeer Hassan Hatem Sindi Shahzore Ahamed Shoaib Ahmed IEEE Access</i> , Volume 9, Pages 61594-61610 Impact Factor: 3.476   Quartile: 2   Citations: 21 DOI: 10.1109/ACCESS.2019.2958407	2021
<b>A Novel Convolutional Neural Network-Based Approach for Fault Classification in Photovoltaic Arrays</b> <i>Azhar -ul-Haq Farkhanda Aziz Yousef Mahmoud Marium Jalal Farkhanda Aziz Shahzor Ahmad Yousef Mahmoud Marium Jalal Usman Ali IEEE Access</i> , Volume 8, Pages 41889-41904 Impact Factor: 3.367   Quartile: 2   Citations: 208 DOI: 10.1109/ACCESS.2020.2977116	2020
<b>Robust Detection and Affine Rectification of Planar Homogeneous Texture for Scene Understanding</b> <i>Loong-Fah Cheong Shahzor Ahmad International Journal of Computer Vision</i> , NULL Impact Factor: 6.071   Quartile: 1   Citations: 7 DOI: <a href="https://doi.org/10.1007/s11263-018-1078-2">https://doi.org/10.1007/s11263-018-1078-2</a>	2018

Conference Proceedings

<b>Facilitating and Exploring Planar Homogeneous Texture for Indoor Scene Understanding</b> <i>Shahzor Ahmad Loong-Fah Cheong Computer Vision – ECCV 2016</i> , res.country(165,) Citations: N/A DOI: 10.1007/978-3-319-46475-6_3	2016
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Editorial Activities

Reviewed Papers for Journals Impact Factor: 1.681	2020
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Reviewed Papers for Journals Impact Factor: 1.681	2020
Reviewed Papers for Journals Impact Factor: 1.681	2020
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Reviewed Papers for Journals Impact Factor: 1.681	2019
Reviewed Papers for Journals Impact Factor: 1.922	2019
Reviewed Papers for Journals Impact Factor: 1.922	2019
Reviewed Papers for Journals Impact Factor: 1.922	2019
Reviewed Papers for Journals Impact Factor: 1.998	2018
Reviewed Papers for Journals Impact Factor: 1.998	2017
Reviewed Papers for Journals Impact Factor: 1.998	2017

Intellectual Property

Copyrights

A Smart Traffic Profiling System for Intelligent Road Transportation Status: Licensed Filed	2021
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Patents

Industrial Designs

Trademarks