

Dr. Faisal Baig



Education

- 2019 PhD Electrical Engineering**
(Spanish National Gazette: Design Manufacturing and Management of Industrial Projects)
Institutio De Desino Y Fabricacion (IDF), School of Design Engineering
Universitat Politecnica de Valencia, Spain
Specialization: Design Optimization of Thin Film Solar Cells
Thesis: Numerical Analysis for Efficiency Enhancement of Thin Film Solar Cells
DOI: 10.4995/Thesis/10251/118801
Prevailed grade of honors award with mentions Excellent “**Cum Laude**” and “**International Doctor’s Degree Award**”
- 2013 MS Electrical Engineering**
Comsats Institute of Information Technology, Islamabad, Pakistan
Specialization: Power Engineering
Thesis: Smart Home Energy Management System for Monitoring and Scheduling of Home Appliances using Zigbee
- 2009 B.Sc. Electrical Engineering**
Federal Urdu University of Arts, Science & Technology, Islamabad, Pakistan

Academic/ Professional Affiliation

- Research Affiliate: Institutio De Desino Y Fabricacion(IDF), Universitat Politecnica de Valencia, Spain
- Research Affiliate: Centre for Advanced Electronics & Photovoltaic Engineering (CAEPE), Islamabad
- Pakistan Engineering Council (PEC)
- Institution of Engineers Pakistan (IEP)

Working Experience

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| Jun 2022–date | Assistant Professor
Electrical Engineering
Federal Urdu University of Arts, Science & Technology Islamabad, Pakistan |
| Jun 2015–Mar 2017 | Lecturer
Electrical Engineering
Federal Urdu University of Arts, Science & Technology Islamabad, Pakistan |
| Sep 2011– Jun 2015
April 2017- Jun 2022 | Lab Engineer
Electrical Engineering
Federal Urdu University of Arts, Science & Technology Islamabad, Pakistan |

Personal Information

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| Father’s Name | : KHAN BEG |
| Passport No | : AF3928934 |
| CNIC No | : 37104-2498893-7 |
| Nationality | : PAKISTANI |
| Contact No. | : 0092-3145328052 |
| E-Mail | : engr.fsl.baig@gmail.com |

Research Interests/ Activities

Machine learning, Cryptography, Recommender system, Renewable Energy Systems, Smart Energy Management Systems, Design, and fabrication of thin films for solar cells, Numerical modeling of thin film solar cell

Research Affiliation/Collaboration:

- Instituto De Diseño Y Fabricación (IDF), Universitat Politècnica de Valencia, Spain
- Laboratory for Materials, Nanomaterials for Photovoltaic conversion and Electrochemical Storage (MANAPSE), Mohammed V University, Rabat, Morocco
- Center for Advanced Materials (CAM), Qatar University, Doha, Qatar
- Centre for Advanced Electronics & Photovoltaic Engineering (CAEPE), Islamabad, Pakistan
- Information Technology University Lahore, Pakistan
- COMSATS University Islamabad, Pakistan

Publication

Total Publications: 59 **Cumulative Author Impact Factor: 139.787**
Citations: 1485 **h-index: 23** **i10-index: 35**