Safdar Abbas Khan
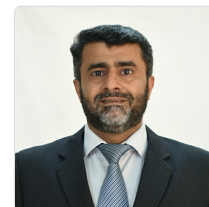
Assistant Professor

School of Electrical Engineering and Computer Science

Email: safdar.abbas@seecs.edu.pk
Contact: 0092518500
LinkedIn:

About

Dr. Safdar Abbas Khan is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Safdar Abbas Khan has a PhD in Computer Science. Dr. Safdar Abbas Khan has published 20 research articles & conference papers having a citation count of 365, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computer Science   2008 - 2011
  Université Val-de-Marne (Paris XII) , France

MSc in Mathematics   2002 - 2004
  Quaid-i-Azam University , Pakistan

BSc in Math major and Physics   1999 - 2002
  Gomal University , Pakistan

Experience

Assistant Professor   2024- Present
  School of Electrical Engineering and Computer Science

Assistant Professor   2019 - 2019
  School of Electrical Engineering and Computer Science

Assistant Professor   2016 - 2015
  School of Electrical Engineering and Computer Science

Assistant Professor   2015 - 2023
  School of Electrical Engineering and Computer Science

Assistant Professor   2012 - 2015
  Quaid-i-Azam University , QAU. Islamabad

Research Articles

Optimized nonlinear controller for fuel cell, supercapacitor, battery, hybrid photoelectrochemical and photovoltaic cells based hybrid electric vehicles   2023

  Shahid Hassan Mian Muhammad Saqib Nazir Iftikhar Ahmad Safdar Abbas Khan

  Energy , Volume 283, Article Number 129121

  Impact Factor: 8.9 | **Quartile:** 1 | **Citations:** 16
  DOI: 10.1016/j.energy.2023.129121

Neural Machine Translation Models with Attention-Based Dropout Layer   2023

  Huma Israr Safdar Abbas Khan Muhammad Ali Tahir Muhammad Khuram Shahzad Muneer Ahmed Mohamad Zain

  Computers, Materials and Continua , Volume 75, Issue 2, Pages 2981-3009

  Impact Factor: 3.860 | **Quartile:** 2 | **Citations:** 13
  DOI: https://doi.org/10.32604/cmc.2023.035814

Investigating Student Achievement Using Equitable Assessments and VARK: An Experimental Study of Secondary School Students in Pakistan   2023

  Misbah Javed Safdar Abbas Khan Sana Anwar Lashari Amna Khan Erum Afzal Maajid Maqbool Tahira Anwar Lashari

  International Journal of Whole Schooling , Volume 19(1), Pages 96-116

  Impact Factor: N/A
  DOI: http://www.wholeschooling.net/Journal_of_Whole_Schooling/IJWSIndex.html

Variable Structure Based Control for the Chemotherapy of Brain Tumor   2021

Muhammad Zubair Iftikhar Ahmad Yasir Islam Safdar Abbas Khan

IEEE Access , Volume 9, Pages 107333-107346

Impact Factor: 3.476 | **Quartile:** 2 | **Citations:** 15
DOI: 10.1109/ACCESS.2021.3091632

Adaptive Nonlinear Control of Unified Model of Fuel Cell, Battery, Ultracapacitor and Induction Motor   2021
Based Hybrid Electric Vehicles

Muhammad Muzammal Islam Syed Ahmad Siffat Iftikhar Ahmad Muwahida Liaquat Safdar Abbas Khan

IEEE Access , Volume 9, Pages 57486-57509

Impact Factor: 3.476 | **Quartile:** 2 | **Citations:** 20
DOI: 10.1109/ACCESS.2021.3072478

Terminal Synergetic and State Feedback Linearization Based Controllers for Artificial Pancreas in Type   2021
1 Diabetic Patients

Sheraz Ahmad Babar Iftikhar Ahmad Iqra Shafeeq Mughal Safdar Abbas Khan

IEEE Access , Volume 9, Pages 28012-28019

Impact Factor: 3.476 | **Quartile:** 2 | **Citations:** 15
DOI: 10.1109/ACCESS.2021.3057365

Supertwisting Sliding Mode Algorithm Based Nonlinear MPPT Control for a Solar PV System with   2020
Artificial Neural Networks Based Reference Generation

Safdar Abbas Khan Shahzad Ahmed Hafiz Mian Muhammad Adil Muhammad Kashif Azeem Zil e Huma Iftikhar Ahmad

Energies , Volume 13(14), Article Number 3695

Impact Factor: 2.702 | **Quartile:** 3 | **Citations:** 54
DOI: 10.3390/en13143695

Exploiting cooperative sensing for accurate target tracking in industrial Internet of things   2019

Muneeb A Khan Muazzam A Khan Anis-ur-Rahman Asad Waqar Malik Safdar Abbas Khan

International Journal of Distributed Sensors Network, Volume: 15, Issue: 12, Article Number: 1550147719892203

Impact Factor: 1.613 | **Quartile:** 4 | **Citations:** 12
DOI: 10.1177/1550147719892203

Locality-aware process placement for parallel and distributed simulation in cloud data centers   2019

Saad Zaheer Asad Waqar Malik Anis-ur-Rahman Safdar Abbas Khan

Journal of Supercomputing , Volume 75, Issue 11, Pages 7723-7745

Impact Factor: 2.469 | **Quartile:** 2 | **Citations:** 10
DOI: 10.1007/s11227-019-02973-9

IoT Operating System Based Fuzzy Inference System for Home Energy Management System in Smart   2018
Buildings

Qurat-ul Ain Muhammad Sohail Iqbal Safdar Abbas Khan Asad Waqar Malik Iftikhar Ahmad Nadeem Javaid

Sensors , Volume 18, Issue 9, Article Number 2802

Impact Factor: 3.031 | **Quartile:** 1 | **Citations:** 75
DOI: 10.3390/s18092802

On the robust PID adaptive controller for exoskeletons: A particle swarm optimization based approach   2017

A. Belkadi H. Oulhadj Y. Touati B. Daachi Safdar Abbas Khan

Applied Soft Computing , Volume 60, Pages 87-100

Impact Factor: 3.907 | **Quartile:** 1 | **Citations:** 65
DOI: 10.1016/j.asoc.2017.06.012

Computing border bases using mutant strategies   2014

Ehsan Ullah Safdar Abbas Khan

Computational Mathematics and Mathematical Physics, Volume 54, Issue 1, Pages 177-190

Impact Factor: 0.789 | **Quartile:** 3
DOI: https://doi.org/10.1134/S0965542514010163

Application of fuzzy inference systems to detection of faults in wireless sensor networks   2012

Safdar Abbas Khan Boubaker Daachi Karim Djouani

Neurocomputing , Volume 94, Pages 111-120

Impact Factor: 1.634 | **Quartile:** 2 | **Citations:** 67
DOI: https://doi.org/10.1016/j.neucom.2012.04.002

Overcoming localization errors due to node power drooping in a wireless sensor network   2011

Safdar Abbas Khan Boubaker Daachi Karim Djouani

Conference Proceedings

A Large-Scale Font-Diverse Sindhi Ligature Recognition System   2023

Zeeshan Ali Safdar Abbas Khan M. Khuram Shahzad H. S. M. Bilal

2023 International Conference on Frontiers of Information Technology, FIT 2023, res.country(177,)

Citations: N/A
DOI: 10.1109/FIT60620.2023.00033

Enhancing Intrusion detection: Leveraging Federated Learning and Hybrid Machine Learning   2023
Algorithms On ToN_IoT Dataset

Faiza Naeem Asad Waqar Malik Safdar Abbas Khan Farzana Jabeen

2023 International conference on frontiers of information technology, res.country(177,)

Citations: N/A
DOI: https://doi.org/10.1109/FIT60620.2023.00023

Enhanced sensor localization through compensation of battery level decay   2010

Safdar Abbas Khan Boubaker Daachi Karim Djouani

2010 5th International Conference on Broadband and Biomedical Communications, IB2Com 2010, res.country(68,)

Citations: N/A
DOI: 10.1109/IB2COM.2010.5723470

Book Chapters

Cloud Computing Education Strategies: A Review   2017

Syed Hassan Askari Faizan Ahmad Sajid Umair Safdar Abbas Khan

In: *Book on Exploring the Convergence of Big Data and the Internet of Things*, Chapter 4, Pages 43-54

Citations: N/A
DOI: DOI: 10.4018/978-1-5225-2947-7.ch004

Mobile Cloud Gaming and Today's World   2017

Hallah Shahid Butt Sadaf Jalil Sajid Umair Safdar Abbas Khan

In: *Book on Exploring the Convergence of Big Data and the Internet of Things*, Chapter 19, Pages 282-295

Citations: N/A
DOI: https://www.igi-global.com/chapter/mobile-cloud-gaming-and-todays-world/224635

A Review of Security Challenges in Cloud Storage of Big Data   2017

Sara Usmani Faiza Rehman Sajid Umair Safdar Abbas Khan

In: *Handbook of Research on Big Data Storage and Visualization Techniques*, Chapter 7, Pages 175-185

Citations: 1
DOI: DOI: 10.4018/978-1-5225-3142-5.ch007

Editorial Activities

Information Sciences   2022
Reviewed Papers for Journals
Impact Factor: 8.233