Saddaf Rubab

Assistant Professor

Military College of Signals

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About

Dr. Saddaf Rubab is working as Assistant Professor in the Military College of Signals. Dr. Saddaf Rubab has a PhD in Big Data And Distributed Computing.
Dr. Saddaf Rubab has published 36 research articles & conference papers having a citation count of 372, carried out 5 projects and filed 0 intellectual property.

Qualifications

PhD in Big Data And Distributed Computing   2014 - 2018
  Universiti Teknologi Petronas , Malaysia

MS in Image Processing   2009 - 2012
  NUST, Islamabad , Pakistan

Experience

Assistant Professor   2022- Present
  Military College of Signals

Assistant Professor   2021 - 2021
  Military College of Signals

Assistant Professor   2018 - 2022
  Military College of Signals

Assistant Professor   2018 - 2018
  Military College of Signals

Research Fellow   2018 - 2018
  Universiti Teknologi PETRONAS, Malaysia , Universiti Teknologi PETRONAS, Malaysia

Graduate Assistant   2014 - 2018
  Universiti Teknologi PETRONAS, Malaysia , Universiti Teknologi PETRONAS, Malaysia

Lecturer   2013 - 2013
  National University of Science & Technology (NUST), Pakistan , National University of Science & Technology (NUST), Pakistan

Awards

Uni Teknologi PETRONAS
  PhD Scholarship, Universiti Teknologi PETRONAS, Malaysia

Research Projects

National Projects

Automated-Asset Management   2021
  Funding Agency: IGNITE
  Amount: PKR N/A
  Status: Completed

Keen Ear   2021
  Funding Agency: IGNITE
  Amount: PKR N/A
  Status: Completed

Rice Sorter   2020
  Funding Agency: IGNITE
  Amount: PKR 78,300.00
  Status: Completed

Pollen Hunt   2019
  Funding Agency: IGNITE
  Amount: PKR 75,000.00
  Status: Completed

Traffic Accident Prediction Model using Deep Learning and Machine Learning Algorithms   2019
  Funding Agency: HEC
  Amount: PKR 459,000.00
  Status: Completed

International Projects

Research Articles

Driver's emotion and behavior classification system based on Internet of Things and deep learning for Advanced Driver Assistance System (ADAS)   2022
  Mariya Tauqeer Saddaf Rubab Kashif Javed Rizwan Ali Naqvi
  Computer Communications , Volume 194, Pages 258-267
  Impact Factor: 5.047 | **Quartile:** 1 | **Citations:** 15
  DOI: https://doi.org/10.1016/j.comcom.2022.07.031

Analysis of dimensionality reduction techniques on Internet of Things data using machine learning   2022
  Lubaba Rashid Saddaf Rubab Majed Alhaisoni Abdullah Alqahtani Shtwai Alsubai Adel Binbusayyis Syed Ahmad Chan Bukhari
  Sustainable Energy Technologies and Assessments , Volume 52, Part D, Article Number 102304
  Impact Factor: 5.353 | **Quartile:** 2 | **Citations:** 15
  DOI: https://doi.org/10.1016/j.seta.2022.102304

S-RAP: relevance-aware QoS prediction in web-services and user contexts   2022
  Hafiz Syed Muhammad Muslim Saddaf Rubab Malik Muhammad Khan Naima Altaf Ali Kashif Bashir Kashif Javed
  Knowledge and Information Systems , Volume 64, Issue 7, Pages 1997-2022
  Impact Factor: 2.531 | **Quartile:** 3 | **Citations:** 5
  DOI: https://doi.org/10.1007/s10115-022-01699-0

Hybrid Approach for Shelf Monitoring and Planogram Compliance (Hyb-SMPC) in Retails Using Deep Learning and Computer Vision   2022
  Mehwish Saqlain Saddaf Rubab Malik Muhammad Zaki Murtaza Nouman Ali Shahzeb Ali
  Mathematical Problems in Engineering , Volume 2022, Article ID 4916818, 18 pages
  Impact Factor: 0 | **Citations:** 15
  DOI: https://doi.org/10.1155/2022/4916818

A framework to predict early news popularity using deep temporal propagation patterns   2022
  Ramsha Saeed Haider Abbas Sara Asif Saddaf Rubab Malik Muhammad Khan Naima Altaf Shynar Mussiraliyeva
  Expert Systems with Applications , Volume 195, Article Number 116496
  Impact Factor: 6.954 | **Quartile:** 1 | **Citations:** 7
  DOI: https://doi.org/10.1016/j.eswa.2021.116496

A Study on AI-based Waste Management Strategies for the COVID-19 Pandemic   2022
  Saddaf Rubab Malik Muhammad Zaki Murtaza Fahim Uddin Yawar Abbas Bangash Syed Ali Ammar Taqvi

Simultaneous fault diagnosis based on multiple kernel support vector machine in nonlinear dynamic distillation column
2022

Syed Ali Ammar Taqvi Haslinda Zabiri Fahim Uddin Muhammad Naqvi Lemma Dendena Tufa Majida Kazmi Saddaf Rubab Salman Raza Naqvi Abdulhalim Shah Maulud

Detection and prediction of traffic accidents using deep learning techniques
2022

Anique Azhar Saddaf Rubab Malik Muhammad Zaki Murtaza Yawar Abbas Bangash Mohammad Dahman Alshehri Fizza Illahi Ali Kashif Bashir

Energy-efficient dynamic channel allocation algorithm in wireless body area network
2022

Saddaf Rubab Muhammad Ashraf Shahzad Hassan Muhammad Attique Khan Usman Tariq Seifedine Kadry

Hemodynamic Response Detection Using Integrated EEG-fNIRS-VPA for BCI
2022

Hasan Sajid Saddaf Rubab Noman Naseer Arshia Arif Muhammad Jawad Khan Kashif Javed Talha Irfan Khan

Forensic Analysis of Social Networking Applications on an Android Smartphone
2021

Mian Muhammad Waseem Iqbal Anoshia Manahil Mohsin Iftikhar Waleed Bin Shahid Khwaja Mansoor Saddaf Rubab

Integrated CWT-CNN for Epilepsy Detection Using Multiclass EEG Dataset
2021

Sidra Naseem Kashif Javed Muhammad Jawad Khan Saddaf Rubab Muhammad Attique Khan Yunyoung Nam

Enhanced lignin extraction and optimisation from oil palm biomass using neural network modelling
2021

Tazien Rashid Syed Ali Ammar Taqvi Farooq Sher Saddaf Rubab Murugesan Thanabalan Muhammad Bilal Badar ul Islam

Context-oriented trust computation model for industrial Internet of Things
2021

Ayesha Altaf Haider Abbas Faiza Iqbal Farrukh AslamKh Abdelouahid Derhab Saddaf Rubab

Enhanced Accuracy for Motor Imagery Detection Using Deep Learning for BCI
2021

Ayesha Sarwar Kashif Javed Muhammad Jawad Khan Saddaf Rubab Oh-Young Song Usman Tariq

A Framework for Classification of Gabor Based Frequency Selective Bone Radiographs Using CNN
2021

Rehan Nemati Farhan Riaz Ali Hassan Saad Rehman Muhammad Ajmal Azad Muhammad Abbas Farhan Hussain Saddaf Rubab

Automated Design for Recognition of Blood Cells Diseases from Hematopathology using Classical Features Selection and ELM 2020

Muhammad Qasim Hafiz Muhammad Junaid Lodhi Muhammad Nazir Kashif Javed Saddaf Rubab Muhammad Attique Khan Ahmad Din Usman Habib

Microscopy Research and Technique , Pages 1-15

Impact Factor: 2.769 | **Quartile:** 1 | **Citations:** 35

DOI: https://doi.org/10.1002/jemt.23578

QoS Based Multi-Constraints Bin Packing Job Scheduling Heuristic for Heterogeneous Volunteer Grid Resources 2019

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Syed Nasir Mehmood Shah

The International Arab Journal of Information Technology, Volume 16, No. 4, Pages 661-668

Impact Factor: 0.467 | **Quartile:** 4

DOI: -

Application Analysis: Theory of Constraints for Jobs Scheduling on Volunteer Grid Resources 2016

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Syed Nasir Mehmood Shah

Advanced Science Letters , Volume 22, Number 10, Pages 2715-2718

Impact Factor: N/A

DOI: https://doi.org/10.1166/asl.2016.7026

Reliability Driven Constrained Job Scheduling on Volunteer Grid Resources 2016

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Syed Nasir Mehmood Shah

Advanced Science Letters , ADVANCED SCIENCE LETTERS, Volume 22, Number 10, October 2016, pp. 2690-2694(5)

Impact Factor: N/A

DOI: https://doi.org/10.1166/asl.2016.7024

Grid Computing in Light of Resource Management Systems: A Review 2015

Saddaf Rubab Mohd. Fadzil Hassan Ahmad Kamil Mahmood Nasir Mehmood Shah

Journal of Basic and Applied Scientific Research, Volume 5, Issue 5, Pages 33-43

Impact Factor: -

DOI: 00000278512-4

Efficient Image Steganogrphic Algorithms Utilizing Transforms: Wavelet and Contourlet with Blowfish Encryption 2015

Saddaf Rubab Dr. Younus Javed

International Journal of Computer Network and Information Security(IJCNIS), International Journal of Computer Network and Information Security(IJCNIS), Vol.7, No.2, PP.15-24, Jan. 2015

Impact Factor: 0

DOI: 10.5815/ ijcnis.2015.02.02

Improved Image Steganography Technique for Colored Images using Wavelet Transform 2012

Saddaf Rubab Muhammad Younas Javed

International Journal of Computer Applications , International Journal of Computer Applications Volume: 39 Number: 14 Pages: 29-32 February 2012

Impact Factor: 0

DOI: 10.5120/4890-7381

Improved Image Steganography Technique for Colored Images using Huffman Encoding with Symlet Wavelets 2012

Saddaf Rubab Dr. M. Younus

IJCSI International Journal of Computer Science Issues , Volume 9., Issue 2

Impact Factor: 0

DOI: 00000278512-7

Conference Proceedings

An Efficient Interactive Multilayered Approach for Segmentation of Complex Images 2021

Juwairiyah Naeem Kashif Javed Saddaf Rubab Muhammad Jawad Khan

2021 International Conference on Communication Technologies (ComTech), res.country(275,)

Citations: N/A

DOI: 10.1109/ComTech52583.2021

Towards Efficient Aerial Object Detection: Techniques, Datasets and Challenges 2021

Hirra Anwar Kashif Javed Saddaf Rubab Muhammad Jawad Khan

2021 International Conference on Communication Technologies (ComTech), res.country(177,)

Citations: N/A

Detection of moving human using optimized correlation filters in homogeneous environment

2020

Naeem Akbar Sara Tehsin Ahmad Bilal Saddaf Rubab Saad Rehman Rupert Young Naeem Akbar Sara Tehsin Ahmad Bilal Saddaf Rubab Saad Rehman Rupert Young

SPIE Defense + Commercial Sensing, res.country(233,)

Citations: N/A

Experimental Performance Analysis of Job Scheduling Algorithms on Computational Grid using Real Workload Traces

2016

Saddaf Rubab Syed Nasir Mehmood Shah Ahmad Kamil Mahmood Mohd Fadzil Hassan

First EAI International Conference on Computer Science and Engineering (COMPSE) , res.country(157,)

Citations: N/A

Proactive Job Scheduling and Migration using Artificial Neural Networks for Volunteer Grid

2016

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Syed Nasir Mehmood Shah

First EAI International Conference on Computer Science and Engineering (COMPSE) , res.country(157,)

Citations: N/A

Random Forest Forecast (RFF): One Hour Ahead Jobs in Volunteer Grid

2016

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Syed Nasir Mehmood Shah

International Conference on Computer & Information Sciences (ICCOINS), res.country(157,)

Citations: N/A

Performance Management Using Autonomous Control-Based Distributed Coordination Approach in a Volunteer Grid Computing Environment

2016

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Syed Nasir Mehmood Shah

5th Computer Science On-line Conference 2016 (CSOC2016) , res.country(56,)

Citations: N/A

Adoptability Study of Bin-Packing for Scheduling Jobs on Volunteer Grid Resources

2015

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Syed Nasir Mehmood Shah

7th International Conference on Advances in Information Technology (IAIT) , res.country(217,)

Citations: N/A

Forecasting Volunteer Grid Workload Using Holt-Winters' Method

2015

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Syed Nasir Mehmood Shah

2nd International Symposium on Technology Management and Emerging Technologies (IEEE), res.country(157,)

Citations: N/A

Job Scheduling Approach Based on Quality of Service Classification in Volunteer Grid Environment

2015

Saddaf Rubab Mohd Fadzil Hassan Ahmad Kamil Mahmood Nasir Mehmood Shah

The Fourth International Conference on Computer Science & Computational Mathematics (ICCSCM 2015), res.country(157,)

Citations: N/A

Bin Packing Multi-Constraints Job Scheduling Heuristic for Heterogeneous Volunteer Grid Resources

2015

Saddaf Rubab Nasir Mehmood Shah Ahmad Kamil Mahmood Mohd Fadzil Hassan

The Fourth International Conference on Computer Science & Computational Mathematics (ICCSCM 2015), res.country(157,)

Citations: N/A

A review on resource availability prediction methods in volunteer grid computing

2014

Saddaf Rubab Mohd. Fadzil B. Hassan Ahmad Kamil B. Mahmood Nasir Mehmood Shah

IEEE International Control System, Computing and Engineering (ICCSCE) 2014, res.country(157,)

Citations: N/A

Editorial Activities

Reviewed Papers for Journals
Impact Factor: 1.8

Reviewed Papers for Journals
Impact Factor: 3.860

Reviewed Papers for Journals
Impact Factor: 3.401

Reviewed Papers for Journals
Impact Factor: 3.860

Reviewed Papers for Journals
Impact Factor: 5.6

Reviewed Papers for Journals
Impact Factor: 0

Reviewed Papers for Journals
Impact Factor: 0

Reviewed Papers for Journals
Impact Factor: 0

Reviewed Papers for Journals
Impact Factor: 5.6

Reviewed Papers for Journals
Impact Factor: 3.7

Reviewed Papers for Journals
Impact Factor: 3.7

Reviewed Papers for Journals
Impact Factor: 4.9

Reviewed Papers for Journals
Impact Factor: 3.32

Reviewed Papers for Journals

Reviewed Papers for Journals

Reviewed Papers for Journals
Impact Factor: 5.86

Reviewed Papers for Journals

Reviewed Papers for Journals
Impact Factor: 1.93

2020

Reviewed Papers for Journals
Impact Factor: 2.5

2019

Reviewed Papers for Journals

2019

Reviewed Papers for Journals
Impact Factor: 2.93

2019

Reviewed Papers for Journals

2019

Reviewed Papers for Journals

2019

Reviewed Papers for Journals

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2019

Reviewed Papers for Journals

2019

Reviewed Papers for Journals

2019

Reviewed Papers for Journals

2018

Reviewed Papers for Journals

2018

Reviewed Papers for Journals
Impact Factor: 1.515

2018

Reviewed Papers for Journals