Momina Moetesum

Assistant Professor

School of Electrical Engineering and Computer Science

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About

Dr. Momina Moetesum is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Momina Moetesum has a PhD in Artificial Intelligence. Dr. Momina Moetesum has published 14 research articles & conference papers having a citation count of 156, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Artificial Intelligence   2014 - 2021
  Bahria University , Pakistan

MS in Delay Tolerant Networks   2010 - 2012
  Bahria University , Pakistan

BE in Software Engineering   2000 - 2004
  NUST, Islamabad , Pakistan

Experience

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

Assistant Professor   2018 - 2023
  Bahria University , E8, Shangrilla Rd

Senior Lecturer   2016 - 2018
  Bahria University , E8, Shangrilla Rd

Lecturer   2014 - 2016
  Bahria University , E8, Shangrilla Rd

Lab Engineer   2014 - 2014
  Bahria University , E8, Shangrilla Rd

Research Assistant   2013 - 2014
  Bahria University , E8, Shangrilla Rd

Research Articles

LSTM-based Siamese neural network for Urdu news story segmentation   2023

Momina Moetesum Muhammad Nauman Ahmed Bhatti Imran Siddiqi

International Journal on Document Analysis and Recognition, Volume 26, Pages 363-373

Impact Factor: 2.3 | **Quartile:** 3 | **Citations:** 4
DOI: https://doi.org/10.1007/s10032-023-00441-y

Document forgery detection using source printer identification: A comparative study of text-dependent versus text-independent analysis   2022

Maryam Bibi Anmol Hamid Momina Moetesum Imran Siddiqi

Expert Systems , Volume 39, Issue 8, Article Number e13020

Impact Factor: 2.812 | **Quartile:** 2 | **Citations:** 8
DOI: https://doi.org/10.1111/exsy.13020

A survey of visual and procedural handwriting analysis for neuropsychological assessment   2022

Momina Moetesum Moises Diaz Uzma Masroor Imran Siddiqi Gennaro Vessio

Neural Computing and Applications , Volume 34, Issue 12, Pages 9561-9578

Impact Factor: 6.0 | **Quartile:** 2 | **Citations:** 17
DOI: https://doi.org/10.1007/s00521-022-07185-6

Deformation modeling and classification using deep convolutional neural networks for computerized analysis of neuropsychological drawings   2020

Momina Moetesum Imran Siddiqi Shoaib Ehsan Nicole Vincent

Neural Computing and Applications , Volume 32, Issue 16, Pages 12909-12933

Impact Factor: 5.606 | **Quartile:** 1 | **Citations:** 13
DOI: https://doi.org/10.1007/s00521-020-04735-8

Assessing visual attributes of handwriting for prediction of neurological disorders—A case study on Parkinson's disease   2019

Momina Moetesum Imran Siddiqi Nicole Vincent Florence Cloppet

Pattern Recognition Letters , Volume 121, Pages 19-27

Impact Factor: 2.996 | **Quartile:** 2 | **Citations:** 98
DOI: https://doi.org/10.1016/j.patrec.2018.04.008

An adaptive and efficient buffer management scheme for resource-constrained delay tolerant networks   2016

Momina Moetesum Fazle Hadi Muhammad Imran Abid Ali Minhas Athanasios V. Vasilakos

Wireless Networks , Volume 22, Issue 7, Pages 2189-2201

Impact Factor: 1.584 | **Quartile:** 3 | **Citations:** 16
DOI: https://doi.org/10.1007/s11276-015-1085-y

Conference Proceedings

RUATS: Abstractive Text Summarization for Roman Urdu
2024

Laraib Kaleem Arif Ur Rahman Momina Moetesum

Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) res.country(88,)

Citations: N/A

DOI: 10.1007/978-3-031-70442-0_16

Learning Structural Similarities from Handwriting on Papyri - An Application to Scribe Characterization
2023

Hassan Sajjad Imran Siddiqi Momina Moetesum Isabelle Marthot-Santaniello

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

Citations: N/A

DOI: 10.1109/FIT60620.2023.00016

ChartEye: A Deep Learning Framework for Chart Information Extraction
2023

Osama Mustafa Muhammad Khizer Ali Momina Moetesum Imran Siddiqi

2023 International Conference on Digital Image Computing: Techniques and Applications, DICTA 2023, res.country(13,)

Citations: N/A

DOI: 10.1109/DICTA60407.2023.00082

Transformer-Based Neural Machine Translation for Post-OCR Error Correction in Cursive Text
2023

Nehal Yasin Imran Siddiqi Momina Moetesum Sadaf Abdul Rauf

ICDAR 2023 Workshop on Machine Vision and NLP for Document Analysis (VINALDO), res.country(233,)

Citations: N/A

DOI: https://doi.org/10.1007/978-3-031-41501-2_6

Reconstruction of Broken Writing Strokes in Greek Papyri
2023

Javaria Amin Imran Siddiqi Momina Moetesum

ICDAR 2023 Workshop on Machine Vision and NLP for Document Analysis (VINALDO), res.country(233,)

Citations: N/A

DOI: 10.1007/978-3-031-41498-5_18

Gender classification from offline handwriting images using textural features
2016

Ali Mirza Momina Moetesum Imran Siddiqi Chawki Djeddi

2016 15th International Conference on Frontiers in Handwriting Recognition, res.country(48,)

Citations: N/A

DOI: 10.1109/ICFHR.2016.0080

Segmentation and classification of offline hand drawn images for the BGT neuropsychological screening test
2016

Momina_Moetesum Imran Siddiqi Uzma Masroor Nicole Vincent Florence Cloppet

Proceedings of SPIE - The International Society for Optical Engineering, res.country(48,)

Citations: N/A

DOI: 10.1117/12.2244139

Automated scoring of Bender Gestalt Test using image analysis techniques
2015

Momina Moetesum Imran Siddiqi Uzma Masroor Chawki Djeddi

2015 13th International Conference on Document Analysis and Recognition (ICDAR), res.country(75,)

Citations: N/A

DOI: 10.1109/ICDAR.2015.7333845

Editorial Activities

Reviewed Papers for Journals
Impact Factor: 7.5

2024

Pattern Recognition
Reviewed Papers for Journals
Impact Factor: 7.5

2024

International Journal of Machine Learning and Cybernetics
Reviewed Papers for Journals
Impact Factor: 3.1

2024

Pattern Recognition
Reviewed Papers for Journals
Impact Factor: 8.0

2023

Pattern Recognition
Reviewed Papers for Journals
Impact Factor: N/A

2023

Trainings

Advanced AI Bootcamp on Large Language Models (LMM)
  Partner: Ashar Aziz Foundation (SkyLabs)
  Duration: 30-May-2024 to 29-Aug-2024

2024

Advanced AI Bootcamp on Deep Neural Networks (DNN)
  Partner: Ashar Aziz Foundation
  Duration: 11-Aug-2023 to 17-Nov-2023

2023