Muaz Ahmed Khan Niazi

Professor

School of Electrical Engineering and Computer Science

Email: mniazi@mcs.nust.edu.pk
Contact:

About

Dr. Muaz Ahmed Khan Niazi is working as Professor in the School of Electrical Engineering and Computer Science. Dr. Muaz Ahmed Khan Niazi has a PhD in Computer Science. Dr. Muaz Ahmed Khan Niazi has published 22 research articles & conference papers having a citation count of 712, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computer Science   2008 - 2011
  University of Stirling , United Kingdom

MS in Computer Science   2002 - 2004
  Boston University , United States

BE in Communications   1991 - 1995
  N.W.F.P University of Engineering & Technology Peshawar , Pakistan

Experience

Professor   2024- Present
  School of Electrical Engineering and Computer Science

Professor   2024 - 2024
  School of Electrical Engineering and Computer Science

Professor   2023 - 2024
  School of Electrical Engineering and Computer Science

Professor   2022 - 2023
  Military College of Signals

Professor   2020 - 2021
  NUTECH , Islamabad

Chief Scientific Officer (Professor)   2014 - 2020
  COMSATS , Islamabad

Editor-in-Chief   2013 - 2019
  Springer Nature , UK

Professor   2012 - 2014
  Bahria University , Islamabad

Asst Professor   2009 - 2012
  COMSATS , Islamabad

Research Articles

Steering Angle Prediction Techniques for Autonomous Ground Vehicles: A Review   2021
  Hajira Saleem Faisal Riaz Leonardo Mostarda Muaz Ahmed Khan Niazi Ammar Rafiq Saqib Saeed
  IEEE Access , Volume 9, Pages 78567-78585
  Impact Factor: 3.476 | **Quartile:** 2 | **Citations:** 24
  DOI: 10.1109/ACCESS.2021.3083890

Enhanced emotion enabled cognitive agent-based rear-end collision avoidance controller for autonomous vehicles   2018
  Faisal Riaz Muaz Ahmed Khan Niazi
  Simulation , Volume 94, Issue 11, Pages 957-977

Impact Factor: 1.455 | **Quartile:** 2 | **Citations:** 15
DOI: 10.1177/0037549717742203

MetrIntPair—A Novel Accurate Metric for the Comparison of Two Cooperative Multiagent Systems Intelligence Based on Paired Intelligence Measurements   2018

Laszlo Barna Iantovics Corina Rotar Muaz Ahmed Khan Niazi

International Journal of Intelligent Systems, Volume 33, Issue 3, Pages 463-486

Impact Factor: 7.229 | **Quartile:** 1 | **Citations:** 21
DOI: 10.1002/int.21903

Towards social autonomous vehicles: Efficient collision avoidance scheme using Richardson's arms race model   2017

Faisal Riaz Muaz Ahmed Khan Niazi

PLoS ONE, Volume 12, Issue 10, Article Number e0186103

Impact Factor: 2.766 | **Quartile:** 1 | **Citations:** 12
DOI: 10.1371/journal.pone.0186103

Modeling the internet of things, self-organizing and other complex adaptive communication networks: A Cognitive Agent-based Computing approach   2016

Muaz Ahmed Khan Niazi Samreen Laghari

PLoS ONE, Volume 11, Issue 1, Article Number e0146760

Impact Factor: 2.806 | **Quartile:** 1 | **Citations:** 49
DOI: https://doi.org/10.1371/journal.pone.0146760

The Case of the Missing Skillset   2015

Muaz Ahmed Khan Niazi

Communications of the ACM, Volume 58, Issue 4, Page 9-9

Impact Factor: 3.301 | **Quartile:** 1
DOI: 10.1145/2740243

Towards a methodology for validation of centrality measures in complex networks   2014

Komal Batool Muaz Ahmed Khan Niazi

PLoS ONE, Volume 9, Issue 4, Article Number e90283

Impact Factor: 3.234 | **Quartile:** 1 | **Citations:** 90
DOI: https://doi.org/10.1371/journal.pone.0090283

Toward a Formal, Visual Framework of Emergent Cognitive Development of Scholars   2014

Amir Hussain Muaz Ahmed Khan Niazi

Cognitive Computation, Volume 6, Issue 1, Pages 113-124

Impact Factor: 1.440 | **Quartile:** 2 | **Citations:** 11
DOI: 10.1007/s12559-013-9219-y

Emergence of a snake-like structure in mobile distributed agents: An exploratory agent-based modeling approach   2014

Muaz Ahmed Khan Niazi

The Scientific World Journal, Volume 2014, Article ID 140309, 9 pages

Impact Factor: N/A | **Citations:** 5
DOI: https://doi.org/10.1155/2014/140309

Sensing emergence in complex systems   2011

Muaz Ahmed Khan Niazi Amir Hussain

IEEE Sensors Journal, Volume 11, Issue 10, Pages 2479-2480

Impact Factor: 1.520 | **Quartile:** 2 | **Citations:** 22
DOI: 10.1109/JSEN.2011.2142303

A discrete event system specification (DEVS)-based model of consanguinity   2011

Noreen Akhtar Muaz Ahmed Khan Niazi Farah Mustafa Amir Hussain

Journal of Theoretical Biology, Volume 285, Issue 1, Pages 103-112

Impact Factor: 2.208 | **Quartile:** 1 | **Citations:** 7
DOI: 10.1016/j.jtbi.2011.05.038

Agent-based computing from multi-agent systems to agent-based models: A visual survey   2011

Muaz Ahmed Khan Niazi Amir Hussain

Scientometrics, Volume 89, Issue 2, Pages 479-499

Impact Factor: 1.966 | **Quartile:** 1 | **Citations:** 263

Bluetooth-based Cooperative Deal Shopping

Muaz Ahmed Khan Niazi Amir Hussain

IEEE Pervasive Computing , Volume 10, Issue 2, Pages 44-46

A novel agent-based simulation framework for sensing in complex adaptive environments

Muaz Ahmed Khan Niazi Amir Hussain

IEEE Sensors Journal , Volume 11, Issue 2, Pages 404-412

Agent-based tools for modeling and simulation of self-organization in peer-to-peer, ad hoc, and other complex networks

Muaz Ahmed Khan Niazi Amir Hussain

IEEE Communications Magazine , Volume 47, Issue 3, Pages 166-173

Editorial Activities

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

Cognitive computation   2022
Edited Journal Issue / Proceeding / Book
Impact Factor: 4.89

Cognitive Computation   2021
Edited Journal Issue / Proceeding / Book
Impact Factor: 4.89

2021

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2020

Edited Journal Issue / Proceeding / Book
Impact Factor: 4.890

2020

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2019

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2019

Editor in Chief of Journal
Impact Factor: 0

2018

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2017

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2016

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2015

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2014

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2013

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2012

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310

2011

Edited Journal Issue / Proceeding / Book
Impact Factor: 3.310