

Muaz Ahmed Khan Niazi

Professor

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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 722, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computer Science University of Stirling , United Kingdom	2008 - 2011
MS in Computer Science Boston University , United States	2002 - 2004
BE in Communications N.W.F.P University of Engineering & Technology Peshawar , Pakistan	1991 - 1995

Experience

Professor School of Electrical Engineering and Computer Science	2024- Present
Professor School of Electrical Engineering and Computer Science	2024 - 2024
Professor School of Electrical Engineering and Computer Science	2023 - 2024
Professor Military College of Signals	2022 - 2023
Professor NUTECH , Islamabad	2020 - 2021
Chief Scientific Officer (Professor) COMSATS , Islamabad	2014 - 2020
Editor-in-Chief Springer Nature , UK	2013 - 2019
Professor Bahria University , Islamabad	2012 - 2014
Asst Professor COMSATS , Islamabad	2009 - 2012

Research Articles

Steering Angle Prediction Techniques for Autonomous Ground Vehicles: A Review <i>Hajira Saleem Faisal Riaz Leonardo Mostarda Muaz Ahmed Khan Niazi Ammar Rafiq Saqib Saeed</i> <i>IEEE Access</i> , Volume 9, Pages 78567-78585 Impact Factor: 3.476 Quartile: 2 Citations: 24 DOI: 10.1109/ACCESS.2021.3083890	2021
Enhanced emotion enabled cognitive agent-based rear-end collision avoidance controller for autonomous vehicles <i>Faisal Riaz Muaz Ahmed Khan Niazi</i> <i>Simulation</i> , Volume 94, Issue 11, Pages 957-977	2018

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 <i>Laszlo Barna Iantovics Corina Rotar Muaz Ahmed Khan Niazi</i> <i>International Journal of Intelligent Systems</i> , Volume 33, Issue 3, Pages 463-486 Impact Factor: 7.229 Quartile: 1 Citations: 21 DOI: 10.1002/int.21903	2018
Towards social autonomous vehicles: Efficient collision avoidance scheme using Richardson's arms race model <i>Faisal Riaz Muaz Ahmed Khan Niazi</i> <i>PLoS ONE</i> , Volume 12, Issue 10, Article Number e0186103 Impact Factor: 2.766 Quartile: 1 Citations: 12 DOI: 10.1371/journal.pone.0186103	2017
Modeling the internet of things, self-organizing and other complex adaptive communication networks: A Cognitive Agent-based Computing approach <i>Muaz Ahmed Khan Niazi Samreen Laghari</i> <i>PLoS ONE</i> , Volume 11, Issue 1, Article Number e0146760 Impact Factor: 2.806 Quartile: 1 Citations: 50 DOI: https://doi.org/10.1371/journal.pone.0146760	2016
The Case of the Missing Skillset <i>Muaz Ahmed Khan Niazi</i> <i>Communications of the ACM</i> , Volume 58, Issue 4, Page 9-9 Impact Factor: 3.301 Quartile: 1 DOI: 10.1145/2740243	2015
Towards a methodology for validation of centrality measures in complex networks <i>Komal Batool Muaz Ahmed Khan Niazi</i> <i>PLoS ONE</i> , Volume 9, Issue 4, Article Number e90283 Impact Factor: 3.234 Quartile: 1 Citations: 95 DOI: https://doi.org/10.1371/journal.pone.0090283	2014
Toward a Formal, Visual Framework of Emergent Cognitive Development of Scholars <i>Amir Hussain Muaz Ahmed Khan Niazi</i> <i>Cognitive Computation</i> , Volume 6, Issue 1, Pages 113-124 Impact Factor: 1.440 Quartile: 2 Citations: 11 DOI: 10.1007/s12559-013-9219-y	2014
Emergence of a snake-like structure in mobile distributed agents: An exploratory agent-based modeling approach <i>Muaz Ahmed Khan Niazi</i> <i>The Scientific World Journal</i> , Volume 2014, Article ID 140309, 9 pages Impact Factor: N/A Citations: 5 DOI: https://doi.org/10.1155/2014/140309	2014
Sensing emergence in complex systems <i>Muaz Ahmed Khan Niazi Amir Hussain</i> <i>IEEE Sensors Journal</i> , Volume 11, Issue 10, Pages 2479-2480 Impact Factor: 1.520 Quartile: 2 Citations: 22 DOI: 10.1109/JSEN.2011.2142303	2011
A discrete event system specification (DEVS)-based model of consanguinity <i>Noreen Akhtar Muaz Ahmed Khan Niazi Farah Mustafa Amir Hussain</i> <i>Journal of Theoretical Biology</i> , Volume 285, Issue 1, Pages 103-112 Impact Factor: 2.208 Quartile: 1 Citations: 7 DOI: 10.1016/j.jtbi.2011.05.038	2011
Agent-based computing from multi-agent systems to agent-based models: A visual survey <i>Muaz Ahmed Khan Niazi Amir Hussain</i> <i>Scientometrics</i> , Volume 89, Issue 2, Pages 479-499 Impact Factor: 1.966 Quartile: 1 Citations: 267	2011

DOI: 10.1007/s11192-011-0468-9

Bluetooth-based Cooperative Deal Shopping

2011

Muaz Ahmed Khan Niazi Amir Hussain

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

Impact Factor: 1.554 | **Quartile:** 1 | **Citations:** 5

DOI: 10.1109/MPRV.2011.24

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

2011

Muaz Ahmed Khan Niazi Amir Hussain

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

Impact Factor: 1.520 | **Quartile:** 2 | **Citations:** 68

DOI: 10.1109/JSEN.2010.2068044

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

2009

Muaz Ahmed Khan Niazi Amir Hussain

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

Impact Factor: 2.446 | **Quartile:** 1 | **Citations:** 99

DOI: 10.1109/MCOM.2009.4804403

Editorial Activities

Edited Journal Issue / Proceeding / Book Impact Factor: 3.310	2022
Cognitive computation Edited Journal Issue / Proceeding / Book Impact Factor: 4.89	2022
Cognitive Computation Edited Journal Issue / Proceeding / Book Impact Factor: 4.89	2021
Edited Journal Issue / Proceeding / Book Impact Factor: 3.310	2021
Edited Journal Issue / Proceeding / Book Impact Factor: 4.890	2020
Edited Journal Issue / Proceeding / Book Impact Factor: 3.310	2020
Edited Journal Issue / Proceeding / Book Impact Factor: 3.310	2019
Editor in Chief of Journal Impact Factor: 0	2019
Edited Journal Issue / Proceeding / Book Impact Factor: 3.310	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