

DR. LAEEQ ASLAM

Assistant Professor

QUALIFICATIONS

PhD Computer Science <i>University of the Punjab</i>	2017
MS Computer Science <i>Lahore University of Management Sciences (LUMS)</i>	2004
BSc Agricultural Engineering <i>University of Agriculture Faisalabad</i>	2000

PERSONAL INFORMATION

Department of Computer Science,
Faculty of Computing and Information
Technology, University of the Punjab,
Allama Iqbal (Old) Campus, The Mall
Road, Lahore.



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PROFESSIONAL EXPERIENCE

Assistant Professor, <i>(Permanent, BPS)</i> Department of Computer Science, University of the Punjab	30-03-2021 To To-Date
Assistant Professor, <i>(Permanent, BPS)</i> Punjab University College of Information Technology (PUCIT), University of the Punjab	03-09-2008 To 29-03-2021
Assistant Professor, <i>(Contractual)</i> Punjab University College of Information Technology (PUCIT), University of the Punjab	06-08-2007 To 02-09-2008
Lecturer, <i>(Visiting)</i> Punjab University College of Information Technology (PUCIT), University of the Punjab	01-03-2006 To 01-08-2007

RESEARCH INTERESTS

Algorithm Development, Internet of Things (IoT),
Graph Theory, Artificial Intelligence, Machine
Learning, Problem Solving in Computing

HONORS AND AWARDS

- Received **research incentive award** for publications twice. University of the Punjab
- Ranked in top ten** faculty members in teaching. Students evaluation, PUCIT, University of the Punjab
- Speaker** at ten days Workshop on Theoretical Computer Science at FCC
- Ministry of Science and Technology (**MoST**) **Scholarship** holder for MS Computer Science
- HEC Scholarship** holder for PhD Computer Science
- Member of Pakistan Engineering Council (PEC)
PEC No.: AGRI / 2190

TEACHING

Graduate Courses	<ul style="list-style-type: none">Theory of ComputationAdvance Analysis of AlgorithmsTopics in Algorithms
Undergraduate Courses	<ul style="list-style-type: none">Theory of Automata and Formal LanguagesDiscrete MathematicsAnalysis of AlgorithmsIntroduction to ComputingMultimedia Systems Design and Development

RESEARCH PROFILE

Total Research Publications	20
Impact Factor	4
X- Category	5
Y- Category	6
Conference	5
Total Impact Factor Score	9.003
Total Citations	32
RG Score	7.72
h-index	3
RG Percentile	40
Reviewed International Journal/Conference Articles	6
Total Research Funding (PKRs)	3627674
NRPU, HEC <i>(Co-PI)</i>	3327674
University of the Punjab (2011-12)	150000
University of the Punjab (2017-18)	150000
Total Thesis Supervisions	13
MS/MPhil	4
MSc./BS(4year)	9

ADMINISTRATIVE EXPERIENCE

- PhD/MPhil **Program Coordinator** for six months
- Chair**, Campus Maintenance Committee
- Co-Chair**, Affiliated Colleges Management Committee
- Member**, Purchase Committee, PUCIT
- Chair**, Entrance Test Paper Setting Committee, 2018
- Member**, Admission Committee and Sub-Committees for graduate and undergraduate admissions for more than ten years.

LIST OF PUBLICATIONS

S. No.	Cite As	Category
1.	L. Aslam , S. Sarwar, A. Akram, U. Saeed, Z. Irfan, "Dynamic Length Based Data Aggregation in Machine Type Communications", Sindh University Research Journal – SURJ (Science Series) vol. 52 (3), pp. 273-278, 2020.	Y-Category
2.	S. Sarwar, R. Sirhindi, L. Aslam , G. Mustafa, M. M. Yousaf, and S. W. U. Q. Jaffry, "Reinforcement Learning Based Adaptive Duty Cycling in LR-WPANs", IEEE Access, vol. 8, pp. 161157-161174, 2020.	IF = 3.745
3.	M. U. Sadiq, M. M. Yousaf, L. Aslam , M. Aleem, S. Sarwar, and S. W. Jaffry, "NvPD: Novel Parallel Edit Distance Algorithm, Correctness, and Performance Evaluation", Cluster Computing, vol. 23, pp. 879-894, 2020.	IF = 3.458
4.	M. M. Mubasher, S. W. Jaffry, M. M. Yousaf, I. S. Bajwa, S. Sarwar, L. Aslam , "A Smart Integrated Environment for Vehicular Traffic Simulation", International Journal of Communication Systems, vol. 32(13), pp. e4029, 2019.	IF = 1.319
5.	L. Aslam , S. Sarwar, M. M. Yousaf, S. W. Jaffry, "Computational Complexity of Cycle Discrepancy", Sindh University Research Journal – SURJ (Science Series) vol. 50 (4), pp. 537-540, 2018	Y-Category
6.	A. Ahmad, M. M. Yousaf, S. Sarwar, W. U. Qounain, L. Aslam , M. Khalid, "Optimized Scheduling for Parallel Computing Environment", Sindh University Research Journal – SURJ (Science Series) vol. 50 (2), pp. 295-302, 2018	Y-Category
7.	L. Aslam , S. Sarwar, M. M. Yousaf, W. U. Qounain, "Cycle Discrepancy of Cubic Toeplitz Graphs", Pakistan Journal of Engineering and Applied Sciences, vol. 22, pp. 14-19, 2018	X-Category
8.	M. M. Yousaf, M. U. Sadiq, L. Aslam , W. U. Qounain, S. Sarwar, "A Novel Parallel Algorithm for Edit Distance Computation", Mehran University Research Journal of Engineering and Technology, vol. 37 (1), pp. 223-232, 2018	X-Category
9.	S. Sarwar, F. Zeeshan, L. Aslam , M. M. Yousaf, W. U. Qounain, "Composite Burst Assembly for OBS-Networks", Sindh University Research Journal-SURJ (Science Series), vol. 49 (4), pp. 773-778, 2017	X-Category
10.	S. Sarwar, H. Khalid, L. Aslam , W. U. Qounain, M. M. Yousaf, "Analytical Model of Delayed Server System (DSS) for Energy Conservation", Sindh University Research Journal-SURJ (Science Series), vol. 49 (3), pp. 529-534, 2017	X-Category
11.	I. Latif, S. W. Jaffry, S. Sarwar, L. Aslam , M. M. Yousaf, "Framework for Evaluating Credibility of External Links in Wikipedia", Bahria University Journal of Information & Communication Technologies, vol. 10 (1), pp. 43-50, 2017	Y-Category
12.	S. M. Junaid, S. W. Jaffry, M. M. Yousaf, L. Aslam , S. Sarwar, "Sentiment Analysis and Opinion Mining-A Facebook Posts and Comments Analyzer", Technical Journal, UET, Taxila, vol. 22 (2), pp. 98-104, 2017	Y-Category
13.	S. Ahmad, M. M. Yousaf, S. W. Jaffry, S. Sarwar, L. Aslam , "Comparison of Resource Management Frameworks for Processing Big Data", Bahria University Journal of Information & Communication Technologies, vol. 9 (2), pp. 34-38, 2016	Y-Category
14.	L. Aslam , S. Sarwar, M. M. Yousaf, W. U. Qounain, "Cycle Discrepancy of d-Colorable Graphs", Pakistan Journal of Engineering and Applied Sciences, vol. 18, pp. 50-55, 2016	X-Category
15.	S. Abbasi, L. Aslam , "The cycle discrepancy of three-regular graphs", Graphs and Combinatorics vol. 27 (1), pp. 27-46, 2011	IF = 0.481
16.	S. Sarwar, S. Rauf, R. Rasheed, L. Aslam , "Energy-aware Routing in Internet of Things (IoT)", IEEE 2 nd International Conference on Communication, Computing and Digital Systems (C-CODE), Islamabad, March 2019	Conference
17.	S. Sarwar, R. Rasheed, M. A. Tariq, L. Aslam , "Importance of Trickle Algorithm in IoT", IEEE 2 nd International Conference on Communication, Computing and Digital Systems (C-CODE), Islamabad, March 2019	Conference
18.	L. Aslam , N. A. Khan, "An efficient inter-coding algorithm for H. 264", 15th European Signal Processing Conference (EUSIPCO), Poznan, Poland, 3 -7 Sep. 2007	Conference
19.	F. R. Dogar, L. Aslam , Z. A. Uzmi, S. Abbasi, Y. C. Kim, "Connection Preemption in Multi-Class Networks", Global Telecommunications Conference (GLOBECOM), San Francisco, CA, USA, 27 Nov. -1 Dec. 2006	Conference
20.	L. Aslam , A. Iqbal, Y. Hashmi, "Counting Theory: A Cognitive Approach", 3rd International Conference on the Teaching of Mathematics, Istanbul, Turkey, 30 Jun. - 5 Jul. 2006	Conference