

Name: Dr. ZAHOOR AHMAD
Designation: Principal
Subject: Physics
Area of Specialization: Astrophysics/ Quantum Dot cellular Automation
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Summary

- Ph.D. degree in Physics
- Currently working as Principal GDC Uri

Awards and Achievements

- Nil

Workshops, Seminars, Symposia and Conferences attended

1. Attended UGC sponsored General Orientation course from 20-10-1997 to 20-11-1997 organized by Academic Staff College university of Kashmir.
2. Attended UGC sponsored Refresher course in physics from 14-2-2006 to 4-3- 2006 organized by U G C Academic Staff College university of Jammu
3. Attended UGC sponsored Refresher course in computer applications from 14-11-2007 to 4-12- 2007 organized by Academic Staff College university of Kashmir.
4. Attended UGC sponsored Refresher course in computer applications from 4- 3-2009 to 27-03- 2009 organized by Academic Staff College university of Kashmir
5. Participated and made oral presentation in 8th J &k Science Congress held at university of Kashmir, Srinagar from 17th to 19th Sep 2012.
6. Participated and made oral presentation in 9th J &k Science Congress held at university of Kashmir, Srinagar from 1st to 3rd of Sep 2013.
7. Participated in the international Workshop on “Optimization techniques & Softwares” at Dept. of Statistics university of Kashmir from 19th to 23th of Oct 2013.
8. Completed Sixth Sense technology a workshop conducted by Technophile Systems in association with Robotics & Computer Applications Institute of USA held at University of Kashmir on 24th,25th & 26th Feb 2014.
9. Participated and presented a paper titled Design & Implementation of QCA in 2day National Seminar on “Towards new horizons with interplay between physics & computer Science “held in Amarsing College Srinagar from 9th to 10th June 2014.
10. Participated and presented a paper entitled Design and Analysis of Odd and Even Parity Generators And Checkers Using quantum Dot Cellular Automata(11th -13th March) in 9th INDIACom IEEE;2015 2nd International Conference on “Computing for Sustainable Global Development” organized by BVICAM,New Delhi

11. Participated and presented a paper in International Conference on “Nanotechnology for Better living” jointly organized by NIT Srinagar & IIT Kanpur from 25th to 29th May 2016.

Research Publications (07)

1. Peer Zahoor Ahmad, S.M.K Quadri, Firdous Ahmad, Ali Newaz Bahar, Ghulam Mohammad Wani, Shafiq Maqbool Tantary, “A novel reversible logic gate and its Systematic approach to implement cost efficient arithmetic logic circuits using QCA” Data in Brief, 15,701-708, 2017.
2. Md. Abdullah-Al-Shafi, Ali Newaz Bahar, Peer Zahoor Ahmad, Firdous Ahmad, Mohammad Maksud ur Rahman Bhuiyan, Kawser Ahmed, “Power analysis data set for QCA based multiplexer circuits” Data in Brief,11, 593-596, 2017.
3. Peer Zahoor Ahmad, Syed Mohammad Khurshid Quadri, Shafiq Maqbool Tantray, Ghulam Mohammad Wani, Firdous Ahmad, Ali Newaz Bahar, “Design of novel QCA based half/full subtractors” Nanomaterials and energy, 6, 59-66, 2017.
4. Md. Abdullah-Al-Shafi, Ali Newaz Bahar, Md Ahsan Habib, Mohammad Maksudur Rahman Bhuiyan, Firdous Ahmad, Peer Zahoor Ahmad, Kawsar Ahmad, “Designing single layer counter in quantum dot with energy dissipation analysis” Ain Shams Engineering journal,11,593-596,2017.
5. Firdous Ahmad, Gh. Mohiud Din Bhat, Peer Zahoor Ahmad, Hilal Ahmad Khan, and Refath Farooq, “Design of N-Bit Code Converter Using Quantum-Dot Cellular Automata (QCA)”, Advanced Science, Engineering and Medicine, 7, 1-8, 2015.
6. Firdous Ahmad, G.M Bhat and P.Z Ahmad “Novel Adder Circuits Based on Quantum-Dot Cellular Automata (QCA)”, Circuits and Systems, 5, 142-152. June 2014.
7. Wani Shah Jahan, Peer Zahoor Ahmad, Peer M A, Khan K A, Circuit Nanotechnology: “QCA Adder Gate Layout Designs”. IOSR Journal of Computer Engineering. Volume 16, 2, Ver. 1(Mar.-Apr. 2014).

Book Publications

1. Introduction to Electrodynamics.

Patents

Nil

Research Projects (Minor / Major Project)

Nil

Academic Qualifications

Examination Passed	Board/ University	Subjects	Year	Division / Grade / Merit
SSC	JKBOSE	Non-Medical	1980	ii
Higher Secondary	JKBOSE	Non-Medical	1982	ii
Bachelor's Degree(s)	Kashmir University	English ,Mathematics, Physics & Chemistry	1986	ii
Master's Degree(s) (M.A/M.Sc.)	Kashmir University	Physics	1992	Ist
NET/SLET	-----			
Other Diploma / Certificates etc.	-----			

Research Experience

Research Stage	Title of Work /Thesis	University where the work was carried out	Year
M. Phil or equivalent	-----		
Ph.D.	Building Quantum Dot Cellular Automata Models, Implementation techniques and related applications in digital logic design	Kashmir University	2018
D.Sc./D.Litt.	-----		
Training (Please specify)	-----		

Teaching /Administrative Experience

Courses Taught	Name of the University/ College/Institution	Duration
iv) U.G. (B.A./B.Sc. etc.) (B.A./B.Sc. etc. Hons.)	1, Degree college Boys Baramulla 2, Degree college Boys Bemina 3, Degree college Boys Sopore 4, A S College, Srinagar 5,G D C Kupwara	July1997 to Dec 2000 Dec 2000 to Nov2010 Nov2010 to June 2017 June 2017 to May 2022

V) Administrative experience	G D C Hajin G D C Uri	21-12-2022 to 30-6-2024 01-07-2024 - till date
vi) Any other	-----	

Extension Work / Community Service:

Worked with a non-profit organization to impart coaching for admission in professional courses