

Dr. Subindu Kumar

Assistant Professor

Dept. of Electronics Engineering,

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Educational Qualifications

Degree	University/Institute	Year of Completion
B. Sc (Physics Hons.)	University of Calcutta	1997
M.Sc (Electronics)	School of Pure and Applied Physics, Guru Ghasidas University, Bilaspur (M. P)	1999 [GOLD MEDALIST]
M. Tech (Radio Physics & Electronics)	Institute of Radio Physics & Electronics, University of Calcutta	2001
Ph.D (Tech)	Institute of Radio Physics & Electronics, Univ. of Calcutta	2009

Professional Experience

Position Held	Name of Institute	Duration
Lecturer	Dept. of ECE, Siliguri Institute of Technology, Siliguri – 734009 (W.B)	01-02-2001 to 30-04-2004
Senior Lecturer	-- do --	01-05-2004 to 31-08-2006
Assistant Professor	-- do --	01-09-2006 to 15-07-2009
Assistant Professor	Dept. of Electronics Engineering, Indian School of Mines, Dhanbad-826004	21-07-2009 <i>continuing</i>

Administrative Experience

Duration	Organization	Nature of Responsibility	Designation
07-11-2005 to 04-10-2007	Dept. of AEIE, Siliguri Institute of Technology, Siliguri – 734009 (W.B)	Administrative and teaching	In-Charge
18-07-2010 till date	Society of Electronics Engineers (SEE), Dept. of Electronics Engg. ISM, Dhanbad	Administering proper functioning of SEE	Treasurer

Research & Development

Name of the work	Duration	Organization/ Institution
"SPICE Simulation of Equivalent Circuit model of Quantum Well Laser" [M. Tech Project]	Oct 2000 - April 2001	Institute of Radio Physics and Electronics, University of Calcutta, Kolkata.
"Designing a Remote Actuation Device" [Sponsored Project] <i>(The project was successfully tested on 8th Jan, 2002)</i>	Nov 2001 - Jan 2002	116 Engineer Regiment, Sukna Military Base, Sukna, Siliguri, Distt: Darjeeling.
"Studies on Some Important Properties of III-V Nanostructures" [Ph. D Work]	Jan 2004 - March 2009 <i>[Thesis submitted on Mar'09]</i>	Institute of Radio Physics and Electronics, University of Calcutta, Kolkata.
"Studies on the effects of Gaussian size distribution and interdiffusion on the optical absorption spectra of realistic III-V semiconductor quantum dot systems"	Accepted on 2010	DST (Principle Investigator) Reg. no: SERC/ET-0234/2010

M. Tech & Ph. D Guidance

	Topic	Student	Status
M. Tech	➤ STUDIES ON SOME ELECTRONIC PROPERTIES OF NON-CLASSICAL MOSFETs/MOSFET BASED CIRCUITS	Dharamvir Kumar	Completed
	➤ INVESTIGATION ON SOME ELECTRONIC PROPERTIES OF NANOSCALE MOSFET BASED CIRCUITS	Ashok Kumar	On going
Ph. D	➤ STUDIES ON THE OPTOELECTRONIC PROPERTIES OF SOME ANNEALED AND NON-ANNEALED III-V SEMICONDUCTOR NANOSTRUCTURES	Soumen Sen	On going
	➤ EVALUATION AND OPTIMIZATION OF SOME PERFORMANCE PARAMETERS OF NANOSCALED CIRCUITS	Shankaranand Jha	On going
	➤ STUDIES ON SOME PERFORMANCE PARAMETERS OF STRAINED NANOSCALE MOSFET- BASED CIRCUITS	Amrita Kumari	On going

No of Publications

	Published	Accepted / In Press	Commu- nicated
International Journals	08	nil	nil
National Conferences	08	nil	nil
International Conferences	19	nil	nil
Total	35	nil	nil

Membership of Societies

- Member of IEEE:
 - IEEE Electron Devices Society
 - IEEE Photonics Society
- Life Member of Semiconductor Society of India.

Awards and Recognitions

- Recipient of the **University Gold Medal** from Guru Ghasidas Vishwavidyalaya, Bilaspur (M. P). [M. Sc (*Electronics*) – year 1999]
- Reviewer of:
 - ⇒ *Journal of Chemical Physics (AIP)*
 - ⇒ *International Journal of Modelling and Simulation (ACTA Press)* and
 - ⇒ some books published by *Tata McGraw-Hill Education Pvt Ltd.*
- One of the 22 successful candidates in India whose paper was accepted for presentation at the *23rd IPS Colloquium for Young Physicist (YPC 2005)* held at Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata 700 064, India.

Field of Interest

- Semiconductor Nanostructures
- Nanoscale MOSFETs and nanoscaled circuits