Name : Dr. Arijit Saha

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Educational Qualification:

Degree	*Year*	*Board/University*	*Institute*	*Marks (%)*
Ph.D. (Tech)	2013	Calcutta University	University College of Technology	NA
M. Tech. (Optoelectronics)	2004	Calcutta University	University College of Technology	77.88
B. Tech. (Optoelectronics)	1999	Calcutta University	University College of Technology	69.43
B. Sc. (Physics Hons.)	1996	Calcutta University	Krishnath College	63

Academic Achievements:

- Obtained National Scholarship for the result of Madhyamik.
- Obtained Scholarship for the result of B.Sc. from the Govt. of India.

Work Experience:

Type of Job	*Organization*	*Designation*	*Duration*
Academic	BPPIMT	Associate Professor	November 2011-till date
		Assistant Professor	March 2008-October 2011
	JISCE	Assistant Professor Senior Lecturer Lecturer	October 2006- February 2008 October 2004-September 2006 August 2001-September 2004
Industrial	CA-TCG Software	Associate Software Engineer	January 2001-July 2001
	ABP Pvt. Ltd	System Analyst	June 1999-December 2000

Member of Professional Bodies

- Life Member OSI & Member SPIE

Research Interests: Birefringent networks, systems and filters

Teaching Interest: Optical Fiber Communication, Wireless Communication, Information & Coding theory, Digital Electronics & Logic Design, Analog Electronics, E M Theory, Solid State Devices.

Invited Talk:

- A series of lectures on: *Optical and Digital Image Processing*, *MATLAB*, *Analog and Digital Electronic Circuits* and *Circuit Theory & Network Analysis* for the Integrated M.Tech-PhD and B.Tech students of Department of Applied Optics & Photonics, Calcutta University during March 2009 and April 2011.

List of Publications:

Books: 3

(i) "*Digital Principles and Logic Design Techniques*", Laxmi Publications, New Delhi in January 2007 & Infinity Science Press, USA in May 2007, (ii) "*Optoelectronics and Optical Communication*", University Science Press, New Delhi in July 2011 (iii) "*Information theory, Coding and Cryptography*", (Pearson) (in press)

Journals: 8

1. *A composite birefringent filter: design and simulation*, Journal of Modern Optics 56, No. 8, pp. 963-967 (2009).
2. *Three-element variable retarder for monochromatic light*, Optical Engineering Vol. 49, No. 7, 073004(1-4) (Jul. 20, 2010).
3. *Reconfigurable achromatic half-wave and quarter-wave retarder in near infrared using crystalline quartz plates*, Optical Engineering Vol. 50, No. 3, 034004(1-4) (March 2011).
4. *New achromatic quarter-wave combination of birefringent plates*, Optical Engineering Vol. 51, No. 01, 013001(1-5) (January 2012).
5. *Achromatic quarter-wave plate using crystalline quartz*, Applied Optics Vol. 51, No. 12, pp. 1976-1980 (April 2012).
6. *Compensation of rotation effect in a combination of retarders*, Applied Optics Vol. 51, No. 20, pp. 4798-4802 (July 2012).
7. *Combination of birefringent plates forming a retarder having marginal chromatic error*, Science & Culture 75, Nos. 11-12, pp. 424-427 (November-December 2009).
8. *A near infrared zero-order achromatic retarder*, Pramana Journal of Physics, Vol.77, No 4. , pp. 627-631 (October 2011).

Conferences: 7

Seminar Conference Attended / Organized

- Organized one day seminar on 29th October, 2010 as a part of SPIE student chapter, where Prof. Vijaya Ramarao, department of Physics, IIT Bombay delivered a talk on "Optical Fiber and its present relevance in communication".
- Organized a two-day National Conference EAPE2011 during 15-16 September 2011 at BPPIMT.