

Sukanta K Tripathy,PhD

Professor, PG Department of Physics, Berhampur University, Bhanjabihar-,INDIA

Personal Details

Date of Birth : Second July 19Sixtynine

Nationality: Indian

Fathers Name: Srinibas Tripathy

Permanent Address : Scientist Nagar,

Near P&T Dispensary, New Bus stand Road , Berhampur

Academic Qualification and Experience

Ph.D in Photonics (Fiber Optics)

Teaching experience: EighteenYears

Research Experience: Fifteen Years

Current Research Interest: Nano Photonics,Solar Cell,Fiber Optics

Funds Generated

2009	Dr. Sukant K Tripathy	AICTE, India	Rs. 50,000/-	Seminar Grant vide F. No.1-4/FD/SEM /406/8/9 dated 16, Mar, 2009.
2011	Dr. Sukant K Tripathy	CSIR, India	Rs. 50000/-	Seminar Grant for organizing IWFM vide F. No .SYM/6453/11-HRD dated Aug 4, 2011.
2012	Dr. Sukant K Tripathy	DAE, India	Rs. 67000/-	Seminar Grant for organizing IWFM vide F. No .DAE/PAO/Bills/555/9/2011 /558 dated 10/10/2011
2013	Dr. Sukant K Tripathy	OREDA, ODISHA	Rs. 5.0 Lakhs	Research Project on Enhancement of Solar Energy capture using Optical Fiber

2014-15	Dr S .K.Tripathy	UKIERI,DST and British Council	16 lakhs DST share	Development of solution processed CdTe@ZnTe core shell nonocomposite solar cell.
2015-16	Dr. S.K.Tripathy	BRNS,INDIA	Rs 60000/-	Conference grant ICFMST

International Workshop/Seminar Organized

- Orissa Physical Society Convention 2009
- IWFM-2011,with S.M.Bose Drexel University,USA as Convener
- IWNST-2013,with USA Navy as Co Convener,Indian side
- ICFMST-2015,as Convener

Wokshop/Seminar attended

- . Photonics 2014 at IIT Kharagpur Dec13-16 2014
- .Two day Training Program in Lumerical FDTD,at Department of Electronics and Communication Engineering IISc ,Bangalore Jan -2014
- “International Workshop on Nano sensor Science and Technology” between 27th Feb-1st March 2013 at NIST, Berhampur collaborating with Naval Research Lab
- “Photonics-2012” at IIT Madras between 9th -12th Dec 2012.
- “Annual Photonics workshop” between 27th -28th Feb2012 at CUSAT,Cochin
- “International Workshop on Functional and Material” between 25th -26th Dec 2011 at NIST, Berhampur collaborating with Drexel University
- Fiber Optics, Communication, System and Design" at NITTAR, Chandigarh from 16th March-20th March-2009.
- 26th Convention of Orissa Physical Society and Annual Conference on "Role and Relevance of Physics in Engineering Education" from 14th-15th February-2009, at NIST, Berhampur, Orissa.
- "Free Electron Lasers and Applications" at Devi Ahilya Vishwavidyalaya, School of Physics, Indore from 21st-23rd February, 2008.
- A.I.C.T.E. F.D.P. on Organic Electronics, held at NIST, Berhampur, 23rd June-4th July, 2008. Topic: Organic verses Inorganic optical devices.
- "Fiber Optics: Technology, Components &Applications" at IIT, Guwahati from 3rd-7th December, 2007.
- A.I.C.T.E. F.D.P. on Modeling and Simulation Techniques in Science and Engineering, held at NIST Berhampur, July 6th - July16th, 2007. Topic: Study of optical Bistability in a PCF using Finite Difference Method.
- D.S.T. sponsored 10 day workshop on Sensors for Mining and Mineral Industry, held at NIST, Berhampur, Nov-18 - Nov-30, 2007.
- A.I.C.T.E. F.D.P. on Nanotechnology, held at NIST from 27th March-April8, 2006. Topic: Quantum Dots. Ph.D Students Guided
- Refresher Course in Physics, three weeks, June 7 -26 1999 organized by Institute of Physics Bhubaneswar and Department of Physics Berhampur University.

PhD Students guided

- Mihir Hota - Fiber Optics
- Gopinath Palei - Silicon on Insulator
- Lingaraj Sahu - Optical Interconnectors
- Nilamber Muduli - Optoelectronic
- Deepanjali Mishra- Optoelectronics.
- J.suryanarayan Achary-Photonics

Ph,D Students (Present)

- Ms Sonali P.Dash,Nano Photonics
- Ms Madhulika Sunderray,NanoPhotonics

M.Tech. Students(completed)

- Mrs. Pramita Nayak ,ECE (Past) - Fiber Optics Communication
- Ms. Sonali P Dash,ECE (Past) - Fiber Optics Communication

- Mr. Ashes K Tripathy,CSE (Past) - Computer Generated Holography
- Ms. Smruti Mishra,ECE (Past) - Photonic Crystal Fiber
- Ms. Ipsita Dhar ,ECE (Past) - Photonic Crystal Fiber
- Mr.Ashish Kumar Hota,ECE (Past)-Fiber Optic Sensor based on PCF/FBG
- Ms Padmalaya Sathapathy(past)-Fiber Optic Sensor

Books Edited/ Published

- Functional Materials with S.M Bose, Drexel University, USA,AIP publisher (2012)
- Material Science and Engineering -Scitech Publisher,2009,2010,2011,2012,2015

Membership of Professional bodies

- Patron Member : Odisha Physical Society
- Life Member: Optical Society of India
- Life Member: Photonics Society of India
- Member: IEEE Photonic Society ,MTT
- Life Member: ISTE

Reviewer of

IEEE Photonics Journal, Journal of Applied Physics (AIP),Journal of Modern Physics(Taylor Francis),Chinese Optics Letter(Taylor Francis),Optical Fiber Technology(Elsevier)

Collaborations

- Prof. S.Nozaki, University of Electro Communication,Tokyo,Japan
- Prof. K.H.Chen,Institute of Atomic and Molecular Sciences and Centre for Condensed matter Sciences,NTU,Taipei,Taiwan
- Prof.Hari M.Upadhyaya,Brunel University,London

Administration Responsibilities

- Batch Coordinator third year,2007-2013 at NIST,Berhampur
- Hostel Superintendent ,Girls Hostel ,2006-2012 at NIST Berhampur
- Coordinator,Scientific Research and Industrial Consultancy(SRIC) at NIST Berhampur
- Vice President ,Odisha Physical Society,2016
- Committee member for NAAC committee visit,Berhampur University,2016