
BIKRAMJIT CHANDRA*Contact Address:*

Department of Physics,
Salesian College, Siliguri Campus
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Nationality: Indian

EXPERIENCE

Assistant Professor: <i>Duration:</i>	Department of Physics, Salesian College, Siliguri, West Bengal August 2020 - present
Research Assistant: <i>Duration:</i>	EBEX Cosmology Group, University of Minnesota, Minneapolis, USA May 2012 – July 2015
Teaching Assistant: <i>Duration:</i>	School of Physics and Astronomy, University of Minnesota, Minneapolis August 2011 - July 2015

EDUCATION

Highest degree: Masters in Physics (M.Sc.)	
University of Minnesota, Minneapolis, USA	August 2011 – July 2015
University of Hyderabad, Hyderabad, India	August 2008 – July 2010
Madras Christian College, University of Madras, Madras, India	June 2005 – July 2008
Tashi Namgyal Academy, Gangtok, Sikkim	May 2005

RELEVANT SKILLS

- *Computer Languages:* PYTHON, FORTRAN, JAVA
 - *Standard Laboratory Techniques:* Construction of both digital and analog circuits, general handling of lasers and solid state experimental techniques like four probe method etc., deposition of thin films, general handling of microwave devices, experiments in nuclear physics using G-M counter, scintillation counter, single and multi channel analyser and various other nuclear instrumentation modules.
 - *Research Techniques:* Proficient in the maintenance and use of cryogenic chambers and fluids, computational analysis of large datasets, experiments in microwave optics, handling and use of low temperature bolometers, construction and use of electronic systems for low temperature experiments including the use of SQUIDS and digital multiplexing/demultiplexing.
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ACADEMIC ACHIEVEMENTS

- Qualified for Lectureship/Assistant Professor via the NET exam on Jan 2020 (ranked 39, top 1.2%)
- Three time recipient of the Achiever's Award for ranking 2nd in M. Sc. Physics (2009-2010).
- Awarded the Raghunatha Rao Medal in Physics in 2008.
- Awarded the Dr. M. A. Thangaraj Prize in Physics in 2007.
- Awarded the Sitaramayya Prize in Physics in 2007.
- Awarded the Ripon Gold Medal, the Gunn Gold Medal and the Miller Prize in 2007.
- Ranked third in the state of Sikkim for the ISC examinations, 2005.
- Awarded the Governor's Medal for Best Boy in 2004.

RESEARCH PRESENTATIONS

- Presented “EBEX and the search for Inflation” at Trends in Science and Technology, Salesian College, Siliguri, India (2020)
 - Presented “Temperature Calibration for TES bolometer arrays with a SQUID-based multiplexed readout” at the EBEX Group Conference, University of Minnesota, Minneapolis (2013).
 - Presented “Determination of Hubble's Parameter and the Accelerated Expansion of the Universe” at *Anveshan*, Association of Indian Universities Student Research Convention, University of Calicut, Calicut, India (2010).
 - Presented “Effect of Environmental Pollution on the Local Fishes of Sikkim that forms the Nutritional Food for the Rural People” at the National Children's Science Congress, CMS Degree College, Lucknow, India (2003).
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