

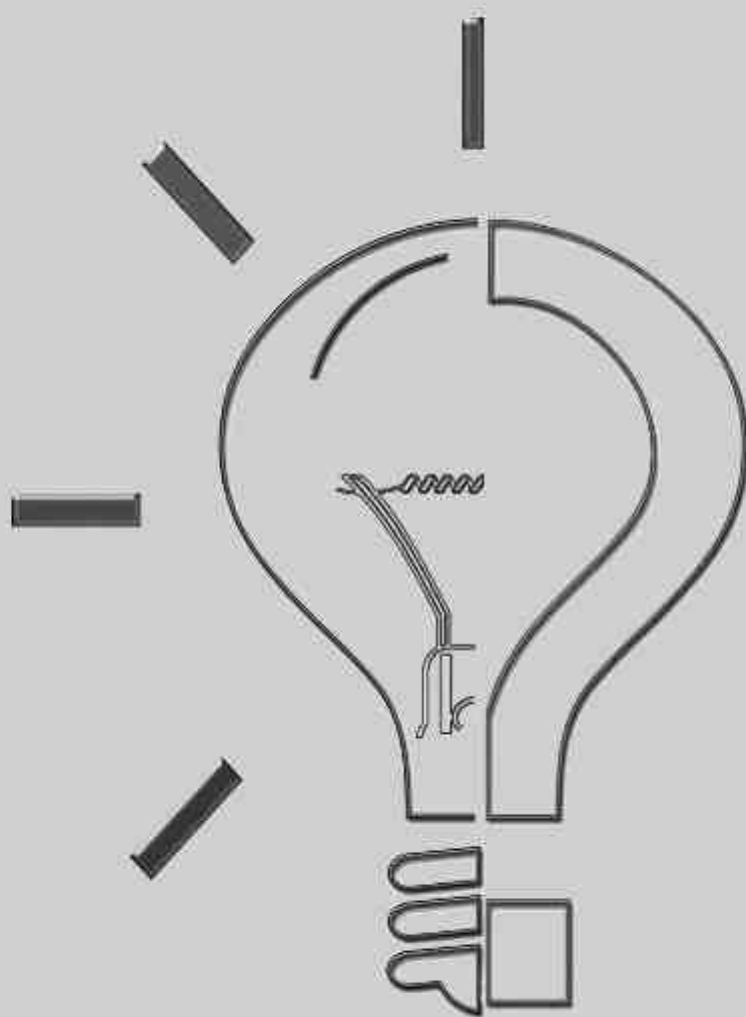


Department of Physics
IIT (BHU) Varanasi



जिज्ञृषु'16

-Thirst For Knowledge



9th - 10th January, 2016

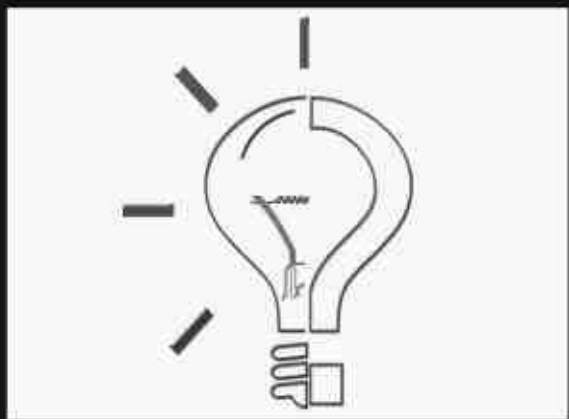
Department of Physics

The Department of Physics established in 1985, is a center of repute for quality research and training in physics. In addition to offering foundation courses in physics to B. Tech students, the department offers a Five Year Integrated M.Tech. course in Engineering Physics. This programme trains the young students in the areas of Physics,

Engineering and Technology. Department offers Ph.D. programmes in the areas of Solar & Space Plasma Physics, Condensed Matter & Materials Physics, Photonics as well as in interdisciplinary areas viz. Microwave Remote Sensing, Energy Studies, Biophysics etc.



Jigyasa



The Annual Physics convention, JIGYASA is to be the meeting point of curious minds gathered in a common pursuit of knowledge. This year's theme of "Revolutionary Development in Physics" aims at providing a platform to share ideas and widen horizons. This would be quintessential celebration of physics. Two days of Guest Lecture by

distinguished personalities and educational activities like Model Exhibition, Quiz and Sudoku challenges are awaiting all participants. All one need is to **STAY CURIOUS!!**

Medhavaan-Guest Lectures

Spanning a plethora of fields, eminent physicists and engineers have been invited to ignite the young minds. Stalwarts in their research areas, they will enlighten how certain ideas revolutionized our worlds and scope of future advancements.



Pratimana-Model Exhibition



This is the event where innovative minds come together under one roof to showcase their ideas of creating a better tomorrow. They will enthrall you, titillate your senses and urge you to be curious. If you have a brilliant idea that can be turned into a working model, you too can find a place here.

Samvaad-Debate

Samvaad is a stage for the sharpest minds to battle it out. The scientific issues that have gripped the world will be debated. There will be contentions, there will be firework of wit, words and ideas and one winner whose weapons would be logic and knowledge.



Pariprachh-Quiz

Pariprachh is a mighty clash of the Titans of science quizzing. A do or die battle where the mettle of the brightest minds are weighed in the face of barrage of unyielding questions. Not for the weak hearted.



Prastuti-Poster Presentation



Innovation is the buzzard of the era. Everyone has ideas. Its how one presents them that matters. Prastuti aims at hosting the creative aspect of the wizards at the same time testing their innovative skills. It provides the perfect platform to show your model, your research in the most innovative fashion.

Informals

Often the game changing ideas come while recreation. The informal events provide precisely this recreation to the overdozed mind, making it rejuvenated for the challenges. Informals comprise of casual, non - ceremonious events like Brain teasers, Theme - based Photography, Sudoku challenges and many more to test your mettle.



JIGYASA' 16 GUEST LECTURES

Prof. Ajoy Ghatak

Prof. Ajoy Ghatak is famous Indian physicist and author of physics textbooks. Professor Ghatak has written over 170 research papers and more than 20 books on topics ranging from special relativity to Quantum Mechanics and Fibre Optics. He was awarded the prestigious S. S. Bhatnagar Prize for Science and Technology in Physical Sciences in 1979 of the Council of Scientific and Industrial Research "for significant work in the field of inhomogeneous optical wave-guides, theory of aberrations for optical systems comprising inhomogeneous media and self-focussing of laser beams".



Dr. J. N. Goswami

Dr. J. N. Goswami was involved in the planning and execution of Chandrayaan-1 mission to the moon and also in defining a road map for planetary exploration in the coming decades. He guided ISRO's Planetary Science and Exploration project from PRL during its formative stage (2004-07). He is the director of PRL since 2005. He set up a high-resolution secondary ion mass spectrometer laboratory for planetary research that has several firsts to its credit. Dr Goswami received INSA Medal for Young Scientists (1978). He received the NASA Public Service Group Achievement Award in 1986 and the prestigious S. S. Bhatnagar Award in 1994. He was elected the President of the Astronomical Society of India in 2007.



JIGYASA' 16 GUEST LECTURES

Prof. Sunil Mukhi

Prof. Sunil Mukhi is a faculty member at IISER-Pune. His research deals with the physics of elementary particles, specifically String Theory and Quantum Field Theory. Prof. Mukhi is a Fellow of the Indian Academy of Sciences and the Indian National Science Academy and also recipient of the S. S. Bhatnagar Award for Physical Sciences, 1999 and the J.C. Bose Fellowship, 2008. He has been an Editor of the Journal of High Energy Physics since its inception. He was one of the organizers of Strings 2001 in Mumbai - a conference that attracted much publicity because of the participation of David Gross, Stephen Hawking and Edward Witten among other luminaries in the field.



Dr. Anand Sengupta

Dr. Anand Sengupta at IIT Gandhinagar is a member of the IndIGO (Indian Initiative in Gravitational-wave Observations) consortium and signatory to IndIGO's memorandum of understanding with the international LIGO Scientific Collaboration (LSC). Dr. Sengupta has worked in various aspects of gravitational wave detection and astronomy using gravitational waves. More recently, he has played a key role in the setting up of the IndIGO consortium comprised of 14 research institutes in India to seed concerted gravitational wave research across Indian institutes and universities. He is the PI of the MOU between IndIGO and the LSC since 2011.



JIGYASA' 16 GUEST LECTURES

Prof. S.A. Ramakrishna

Prof. S.A. Ramakrishna is a professor at IIT-Kanpur and has broad interests in Optics and Condensed Matter Physics. During the past decade, he has been concentrating on metamaterials and plasmonic properties of metallic structures. He directs an active group of researchers carrying both theoretical and experimental work on metamaterials and plasmonic materials at visible to infra-red frequencies. He has many prestigious awards to his name including Young Scientist Medal, Indian National Science Academy, Young Scientist, Indian Academy of Science and Homi Bhabha Prize conferred by Bhabha Atomic Research Centre, Mumbai to name a few.



Prof. Ashok Ganguly

Prof. Ashok Ganguly is currently the director of Institute of Nanoscience and Technology. His research area includes designing of nanostructures using microemulsions. Apart from research in nanoscience & technology his other major research interest is in the field of high temperature superconductors. Prof. Ganguly has been awarded the MRSI Medal (2006), the CRSI Medal in 2007 and the CRSI-CNR Rao National Prize in 2013. He is a fellow of the Indian Academy of Sciences, National Academy of Sciences (India) and Fellow of The Royal Society of Chemistry, London. He is also a keen speaker in schools and colleges for promoting science with the conviction of promoting science in the remotest parts of India.



OUR PREVIOUS GUEST LECTURES

Prof. J. V. Narlikar

J. V. Narlikar is an internationally renowned Astrophysicist/Cosmologist largely known for his "Steady State Theory". His journey began in 1957 with a Bachelor's degree from BHU. Later, he went to study at Cambridge University where he completed his PhD under Fred Hoyle. Narlikar returned to India in 1972 when he took up professorship at TIFR. In 1988 he became the founding director of IUCAA, Pune.



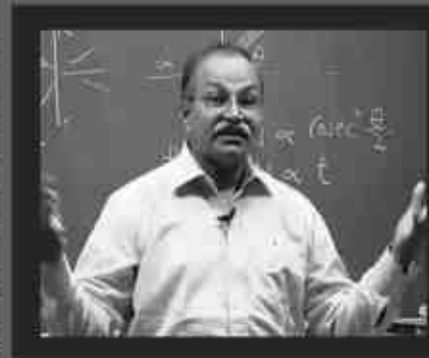
Prof. Ashoke Sen



Ashoke Sen, Fellow of Royal Society, is a theoretical physicist and distinguished professor at HRI, Allahabad. His main area of research is String Theory. He was decorated with Dirac medal in 2014. In 1998, he won the fellowship of the Royal Society on being nominated by Stephen Hawking. He has also been conferred various awards from the Government of India including Padma Shri and Padma Bhushan.

Prof. H. C. Verma

H. C. Verma is an Indian experimental physicist in the Department of Physics at IIT Kanpur. In his stint as lecturer at Patna Science College, he felt a disconnect between students and books which urged him to write a two volume book- Concepts of Physics which is highly esteemed by the physics-lovers alike for its depth and clarity of concepts. While at IIT Kanpur he took many socio-educational initiatives like School Physics Project, Siksha Sopan and Utsahi Physics Teachers.



Prof. Robertus Erdélyi

Prof. Robertus Erdélyi is a world reputed scientist. His main research interests lie in the general field of plasma physics. His interdisciplinary research (including MHD, CFD, kinetic theory) has direct applications in the new and rapidly emerging discipline of helioseismology and space weather. He has made seminal contributions to these areas which includes several papers in Nature and Science.



Prof. M. Narlikar



Dr. Mangala Narlikar is a great mathematics writer, researcher and a teacher. While her husband, the much revered astrophysicist, J V Narlikar, founder of IUCAA is a well known figure; the country knows little about her. She has taught mathematics at the universities of Mumbai and Pune, and made it interesting for students, apart from writing a few books. One could see her sitting on the lawn of her house, teaching maths to servant's kids.

Prof. A. B. Bhattacharjee

Dr. Aranya Bhuti Bhattacharjee is a pioneer scientist from India widely known for his works in the field of Quantum Optics, Bose-Einstein condensate and optomechanics. He was awarded the ICTP-TRIL fellowship for one year post-doc with Prof. E. Arimondo, University of Pisa, Italy. He was also awarded 15 months Guest Scientist position at the Max Planck Institute for Physics of Complex Systems, Dresden, Germany.



OUR PREVIOUS GUEST LECTURES

THROWBACK JIGYASA' 15



IMPACT

We had a huge participation from all levels of educational institutions ranging from schools to Universities.

Our events were widely covered by national media and social media.



ON SOCIAL MEDIA



CONTACT US

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