

The Department of Physics, IIT Patna organized DAE - C V Raman Lecture on
18th March 2024.

Title: Many Facets of Optical Fiber
Speaker: Prof. Anurag Sharma, IIT Delhi



Indian Physics Association

DAE C.V. Raman Lecture
Indian Institute of Technology Patna
Venue: Senate Hall, 18th March 2024, 11:30 am
Link: <https://meet.google.com/icp-dhgo-svi>



Many Facets of the Optical Fiber

Prof. Anurag Sharma

*Optics and Photonics Centre & Department of Physics
IIT Delhi*

Optical fibers have changed the way we connect with each other today. However, fibers have been around before these were used in communication. And today fibers find applications in many areas. In this talk we briefly discuss some of these applications, including those in endoscopy, communication, sensing, nonlinear optics, amplification and lasing. We also discuss the basics of light guidance through these fibers and briefly discuss the recent work that we have carried out in this area.



Prof. Anurag Sharma

*Optics and Photonics Centre
& Department of Physics
IIT Delhi*

Anurag Sharma is an Emeritus Professor of Optics and Photonics and of Physics at IIT Delhi where he has been teaching since 1980. His research has been concerned with propagation of light in imaging and waveguiding devices, and has published over 110 journal papers. He received the Shanti Swarup Bhatnagar Prize in 1998 for his research contributions. He is a fellow of all the three Indian science academies (INSA, IAS, & NASI), the Indian National Academy of Engineering, and of the OPTICA (formerly OSA). He is a Distinguished Fellow of the Optical Society of India (OSI). He has been the President of the OSI and Vice President of the INSA and of the NASI. He is a recipient of the Life Time Research Award and the Excellence in Teaching Award of IIT Delhi. He has also been selected as the 2024 recipient of the Esther Hoffman Beller Medal by the OPTICA for his 'outstanding contributions to optics and photonics teaching, research and leadership'.











