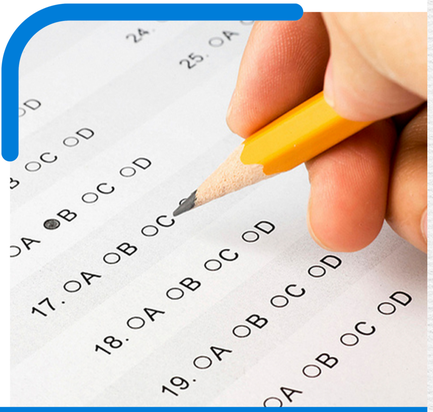
SHIV NADAR
INSTITUTION OF EMINENCE DEEMED TO BE UNIVERSITY
DELHI NCR

Webinar on

Are Multiple Choice Questions (MCQ) tests in STEM gendered?

June 21, 2023 | 3:45-6:00pm IST



PANEL DISCUSSION

Satellite Event of ICWIP 2023



Roopamanjari Ghosh
Former Vice Chancellor of Shiv Nadar University Delhi-NCR, Former Professor of Physics & Dean of School of Physical Sciences at Jawaharlal Nehru University.



Nissim Kanekar
Professor and DST Swarnajayanti Fellow at the National Centre for Radio Astrophysics (NCRA), Tata Institute of Fundamental Research (TIFR), Pune.



Debashish Ghoshal
Professor of Physics, Jawaharlal Nehru University, New Delhi.



Kate Wilson
Associate Professor of Physics, Researcher in Pedagogy, University of New South Wales, Canberra.



Nandini Chatterjee Singh
Senior National Program Officer at UNESCO MGIEP (Mahatma Gandhi Institute of Education for Peace and Sustainable Development), New Delhi.



Chief Patron

Ananya Mukherjee
Vice-Chancellor, Professor, Department of Economics, School of Humanities and Social Sciences, Shiv Nadar Institution of Eminence, Delhi-NCR.



Convenor

Rohini M. Godbole
Padma Shri (2019) Recipient, Honorary Professor, Centre for High Energy Physics Indian Institute of Science, Bangalore. Distinguished Visiting Faculty, Shiv Nadar IoE, Delhi NCR.



Co-convenor

Moon Moon Devi
Assistant Professor at Tezpur Central University, Assam. Member of the Gender Group in High Energy Physics in India. Young Scientist/Innovator Award by ASTEC in 2022.

Co-chairs, LOC-ICWIP 2023:
Prof Vandana Nanal and Srubabati Goswami

Organizing Committee for Panel Discussion:

Prof Vandana Nanal
Prof Srubabati Goswami
Prof Susanta Sinha Roy
Prof Priya Johari
Dr Priyanka Grover
Dr Srijita Banerjee

https://bit.ly/3MEj5F8
Scan here for Registration

bit.ly/3NefDCF
Participants can access a live stream on the GIPWG (IPA) & Shiv Nadar IoE YouTube channels

For any enquiries please contact Dr. Srijita Banerjee (shrijita.banerjee@snu.edu.in)

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DELHI NCR

Department of Physics, SNS

Shiv Nadar Institution of Eminence Delhi NCR, India

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Symposium on Women in Physics
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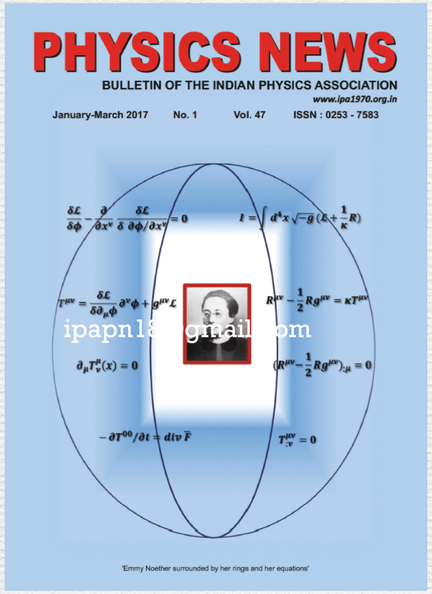

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LADAKH
JAMMU & KASHMIR
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JHARKHAND
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MADHYA PRADESH
MAHARASHTRA
DADRA & NAGAR HAVELI AND DAMAN & DIU
GOA
KARNATAKA
TELANGANA
ANDHRA PRADESH
PUDUCHERRY
TAMIL NADU
KERALA
LAKSHADWEEP (INDIA)
ANDAMAN & NICOBAR ISLANDS (INDIA)
SRI LANKA
MALDIVES
Arabian Sea
Bay of Bengal
INDIAN OCEAN



Figure 1: Prof. Lee Packer delivering the lecture at the Multipurpose Hall, BARC Training School Hostel, Anushaktinagar, Mumbai



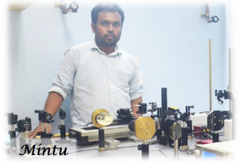






Meet the Physicists!

As usual we profile 4 enthusiastic physicists who work in diverse areas across the country.



Mintu Mondal
Assistant Professor, Indian Association for the Cultivation of Science (IACS), Jadavpur, Kolkata
Area: Experimental condensed matter physics
Years doing physics: 14
What I like about physics: Physics is a beautiful subject that allows us to understand the laws/rules of our natural world.
Beyond physics: I am curious about the role of historical events and geography on human psychology and social behaviours in our regions and resultant political dynamics.



Nisha Narasinha Kelkar
Assistant Professor, Gogate Jogalekar College, Ratnagiri
Area: Experimental physics, resource person for national Olympiad programmes
Years doing physics: 9
What I like about physics: Physics is linked to the philosophy of nature; I'm trying to understand it! And the more I teach, more I understand!
Beyond physics: reading, travelling



Jayeeta Bhattacharyya
Associate Professor, Department of Physics, IIT Madras, Chennai
Area: Semiconductor physics
Years doing physics: 18
What I like about physics: You can relate to your surroundings and say "I know what is happening !!!"
Beyond physics: Painting, reading and writing

Krishnendu Chatterjee
Head, Instrumentation Division, Quazar Technologies Pvt. Ltd., New Delhi
Area: Instrumentation development for scientific research, e.g., CVD, electrical & magnetic property measurement systems
Years doing physics: 18
What I like about physics: Provides a fundamental base to cut across multidisciplinary applications from computer science and electronics to music, and photography.
Beyond physics: Playing piano, recording music, photography, video editing, and developing open-source multimedia plugins



Department of Physics, Aligarh Muslim University

https://www.amu.ac.in/department/physics



The Department of Physics at Aligarh Muslim University (AMU) had an illustrious past and has a promising future. It has been a prestigious department with a distinction of having prominent luminaries with highly accomplished academic and research credentials.

In 1908, Prof. Horace B. Dunnicliff, a chemist of repute, was entrusted with the responsibility to establish and head a combined Department of Physics and Chemistry at the Muhammadan Anglo-Oriental College. Ch. Wali Mohammad, who worked under the guidance of Sir J.J. Thomson, a Nobel Laureate, was appointed as an Assistant Professor in 1908. He was an eminent physicist who specialized in Spectroscopy, Magneto-optics, and Wireless operations. His appointment strengthened teaching in Physics, which culminated in the establishment of a separate Department in 1912. He was appointed as Professor and Head of the Department of Physics. His research on the hyperfine structure of spectral lines with a Littrow mounting spectrograph was a rare acquisition for an Indian university at that time. After serving AMU for almost a decade (1912–22), he established the Department of Physics at Lucknow University as its Founder Head. He also served as Deputy Secretary, Education Department, Government of India; Member, Indian Education Service, Vice-chancellor, Osmania University, Hyderabad (1946–49) and was also among the Founding members of The National Academy of Sciences.

It was in 1920 that AMU came into existence. Mr. F.D. Murad carried forward Dr. Mohammed's legacy as a Head (1922–30). He emphasized on the teaching of science and scientific education, which he found prominently missing in the country. His book, India's neglect of Science and Scientific Education, can be seen as a precursor to the call given in the early 1950s for the inculcation of scientific temper by the great visionary Pandit Jawaharlal Nehru.

Sir Ross Masood's period of Vice Chancellorship, spanning 1929–34, witnessed great stride and development. His association with eminent personalities like Albert Einstein and others paved the way for bright researchers to join AMU as a faculty. Prof. Rudolf Samuel who did his Ph.D. with James Frank (1925, Nobel Prize winner in Physics) joined the Department, on the recommendations of Albert Einstein, and remained Head during 1930–34. Prof. R.K. Asundi, who took a doctorate from the London University, joined the Department in May 1930 and earned the distinction of setting up an excellent Spectroscopic Laboratory which was soon recognized as an active research centre frequently visited by Meghnad Saha, K.S. Krishnan and others. Both, Prof. Samuel and Prof. Asundi were appointed by a panel of experts headed by Sir Prof. C.V. Raman. Prof. Asundi was one of the pioneers of molecular spectroscopy.

Prof. Venkateshwarlu's appointment further strengthened the Spectroscopy Laboratory set up by Profs. Asundi and Samuel. He had the distinction of working with Neils Bohr (1922, Nobel Prize winner in Physics) and Profs. G. Herzberg (1971, Nobel Prize winner in Chemistry) and Robert Mulliken (1966, Nobel Prize winner in Chemistry). Later, Prof. Venkateshwarlu established the Department of Physics at IIT Kanpur and Prof. Asundi strengthened the Spectroscopy

Biennial Awards

- R. D. Birla Memorial Award in Physics
- Murli M. Chugani Memorial Award for Excellence in Applied Physics
- P. K. Iyengar Memorial Award for Excellence in Experimental Physics
- Hema Ramachandran Lectureship Award for Excellence in Experimental Physics
- S. N. Seshadri Memorial Instrumentation Award
- N. S. Satya Murthy Memorial Award in Physics
- Buti Foundation Award in Theoretical Physics, Astrophysics & Bio-Physics.
- Aswini Kumar Rath Memorial Award in Nuclear Physics

Best Thesis Awards

- Rahul Basu Memorial Award in High Energy Physics
- Prof. C. V. K. Baba Award in Nuclear Physics
- Anil K. and Bharati Bhatnagar in Solid State Physics

Olympiad Awards

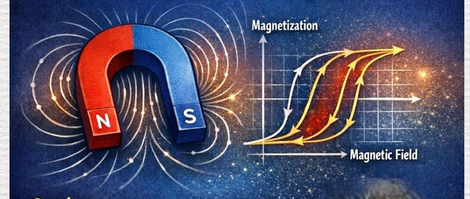
- C L Bhat Memorial Award for the Best Student at the Indian Astronomy Olympiad Camp
- IPA Award at International Physics Olympiad Camp



C V RAMAN LECTURE:

UNDERSTANDING RESPONSE TIME-DELAYS:

the case of hysteresis in magnets



Speaker:

Prof. Deepak Dhar

International Centre for Theoretical Sciences
(ICTS), Bangalore



Date & Time: 07-March-2026, 10:30 AM

Venue: Seminar Hall, Priyadarsini Planetarium,
Thiruvananthapuram.

Registration (free):
https://forms.gle/qeS6wXw4A8j2WbKi7

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Indian Physics Association

Organizes

DAE Sir C. V. Raman Lecture



Professor Venu Gopal Achanta

About the Speaker

Prof. Venu Gopal Achanta obtained his Ph.D. (Physics) from TIFR, Mumbai and Ph.D. (Electronics) from Tokyo University. He is currently the Director of CSIR-National Physical Laboratory. He is on lien from Tata Institute of Fundamental Research, Mumbai where he is a Professor. His research interests are in the application of nanophotonics to single-molecule and single-photon spectroscopy through light-matter interaction in non-perturbative regimes. He has over 160 journal publications. He is an elected fellow of the Optical Society of America (OPTICA), and the Indian National Science Academy (INSA), and an honorary fellow of the Metrology Society of India (MSI). He is elected to the International Committee for Weights and Measures (CIPM) in 2022 and to the executive committee of Asia Pacific Metrology Program (APMP). Currently the President of the Optical Society of India (OSI). He is a senate member of JNU.

Metrology for Quantum Technologies

Abstract

Quantum metrology refers to the realization of the redefined SI units in terms of relevant universal constants. Quantum metrology standards for the SI units are expected to have unprecedented accuracy and are artifact-independent. However, for traceability, transfer standards are needed to calibrate and test equipment for customers, including strategic sectors, industry, and R&D institutions. In addition to the primary and transfer standards, there is a need for novel metrology facilities to calibrate, test, and certify quantum technologies that are being rolled out. In this talk, I will introduce quantum metrology and the facilities being developed at CSIR-NPL as the national metrology institute. We are also simultaneously working on quantum sensors and single-photon metrology, encompassing single-photon sources and detectors. These ongoing activities and future prospects especially from metamaterials point of view will be presented in the lecture.

February 16 , 2026 | 11:00 AM | LH-3, Lecture Hall Complex

DAE-C. V. RAMAN LECTURE (2025-26)

In Association with Indian Physics Association
(As part of National Science Day Celebration -2026)

DATE: 17th FEBRUARY, 2026 TIME: 11: 40 AM ONWARDS (HYBRID MODE)



PATRON
Prof. S. Sundar Manoharan
Director General, PDEU



CO-PATRON
Prof. Srubabati Goswami
President, IPA



CO-PATRON
Prof. Rajesh Patel
Director, SoET, PDEU



CO-PATRON
Dr. Brijesh Tripathi
Associate Professor,
HOD Physics

SPEAKER

PROF. PRAJVAL SHASTRI



Professor, Indian Institute of Astrophysics (retd.), International Centre for Radio Astronomy Research, Australia

THE HEFTIEST AND SHINIEST: UNRAVELING GIANT BLACK HOLES

Giant black holes that inhabit the centres of galaxies are the most massive objects we know. We are able to spot these black holes to the far reaches of the universe if and when they draw in matter and glow, thereby becoming the most luminous objects we know. Their process of growth appears to lead them to impact their environments out to spatial scales that are well beyond their gravitational sphere of influence. In this talk, I will discuss the various strands of this fascinating story.

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"YOUNG PHYSICISTS MEET (YPM) - 2026, WEST ZONE"

Emerging Directions in Modern Physics

&

DAE-C. V. RAMAN LECTURE

In Association with Indian Physics Association

(As part of National Science Day Celebration -2026)

DATE: 17th FEBRUARY, 2026



PATRON

Prof. S. Sundar Manoharan

Director General, PDEU



CO-PATRON

Prof. Srubabati Goswami

President, IPA



CO-PATRON

Prof. Rajesh Patel

Director, SoET, PDEU



CO-PATRON

Dr. Brijesh Tripathi

Associate Professor, HOD Physics

Prizes will be awarded to the First, Second, and Third Place winners in the Poster Presentation.

SCAN QR FOR THE REGISTRATION

KEY HIGHLIGHTS

1. DAE C.V. Raman Lecture, **Prof. Prajval Shastri, IIA, Bengaluru (Retd.)**
2. Overview of Modern Physics, **Prof. Pinaki Majumdar, Ahmedabad University, Ahmedabad.**
3. Artificial Intelligence and Machine learning in Physics, **Prof. Bhaskar Chaudhury, DA-IICT, DAU, Gandhinagar.**
4. Panel discussion : Inclusivity in Science and Academia.
5. Career Guidance Session.
6. Research Poster presentation.

ORGANIZERS

Department of Physics, school of Energy Technology, PDEU, Gandhinagar, Gujarat.

CO-ORDINATORS :

1. **Dr. Mansi Dhuria**
2. **Dr. Apoorva Bhatt**
3. **Dr. Abhishek Gor**

Physics.pdeu@gmail.com

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REGISTRATION DEADLINE: February 15, 2026





P Shastri
(2017-2019)



S. Goswami
(2020-22)



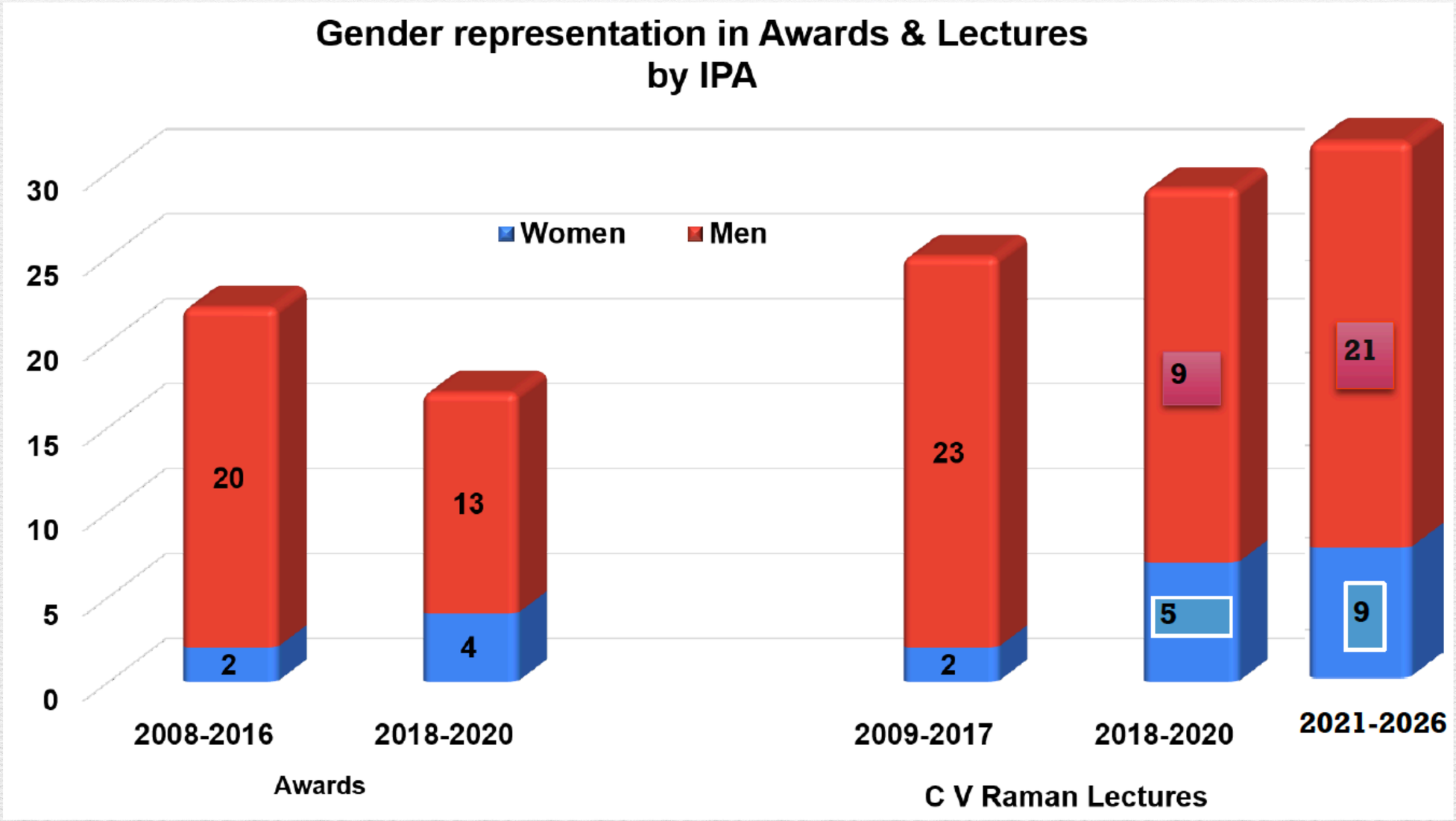
V. Nanal
(2023-24)



S. Verma
(2025-

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Gender representation in Awards & Lectures by IPA
30
25
20
15
10
5
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Men
20
2
13
4
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2008-2016
2018-2020
2009-2017
2018-2020
2021-2026
Awards
C V Raman Lectures

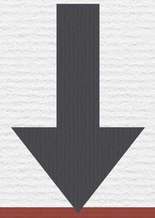








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