



INDIAN ACADEMY OF SCIENCES

Bengaluru 560 080

**35th MID-YEAR
MEETING**

28 – 29 June 2024

**Venue: Auditorium, New Biological Sciences Building,
Indian Institute of Science, Bengaluru**

PROGRAMME

28 June 2024 (Friday)

09:00-09:30	Registration
09:30-10:10	Session 1A: Special Lecture Chairperson: V Nagaraja , Indian Institute of Science, Bengaluru Roop Mallik , Indian Institute of Technology, Mumbai <i>Fat on the move</i>
10:10-11:00	Session 1B: Inaugural Lectures by Fellows/Associates Chairperson: Kalidas Sen , University of Hyderabad
10:10-10:30	Amit Agrawal , Indian Institute of Technology, Mumbai <i>Higher order transport equations: Why do we need them?</i>
10:35-10:55	Parbati Biswas , University of Delhi, Delhi <i>Misfolding and intrinsic disorder: When a protein fails to fold</i>
11:00-11:20	<i>Tea break</i>
11:20-13:00	Session 1C: Inaugural Lectures by Fellows/Associates Chairperson: Swagata Dasgupta , IIT Kharagpur
11:20-11:40	Sayandeep Banerjee , Banaras Hindu University, Varanasi <i>The mighty mylonites of the Bundelkhand craton: Clues to the basement rock selection of medieval forts in the Bundelkhand region, India</i>
11:45-12:05	Prahladh Harsha , Tata Institute of Fundamental Research, Mumbai <i>Solving linear high order differential equations in nearly linear time</i>
12:10-12:30	Rajesh Ganapathy , Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru <i>A minimal synthetic model of confluent epithelia</i>
12:35-12:55	Jogender Singh , Indian Institute of Science Education and Research, Mohali <i>Iron-depleted diet enhances the lifespan of <i>Caenorhabditis elegans</i></i>
13:00-14:30	<i>Lunch break</i>

14:30-16:30	Session 1D: Symposium on “Twistronics” Convenor: Manish Jain , Indian Institute of Science, Bengaluru
14:30-14:55	Priya Mahadevan , SN Bose National Centre for Basic Sciences, Kolkata <i>When and why do we have unconventional behavior in van der Waals bilayers?</i>
15:00–15:25	Sankalpa Ghosh , Indian Institute of Technology, Delhi <i>Moiré fractals in Twistronics</i>
15:30–15:55	Aveek Bid , Indian Institute of Science, Bengaluru <i>Graphene on hBN: Bands with a twist</i>
16:00–16:25	Anindya Das , Indian Institute of Science, Bengaluru <i>Twisted bilayer graphene – A magic platform</i>
16:30-17:00	<i>High Tea</i>
18:00–19:00	Session 1E: Public Lecture Chairperson: Umesh Wagahmare , President, Indian Academy of Sciences, Bengaluru Shanti Pappu , Sharma Centre for Heritage Education, Chennai <i>The many layers of Indian prehistory: From research to public outreach</i>
1900	<i>Dinner</i>

29 June 2024 (Saturday)

09:30–10:10	Session 2A: Special Lecture Chairperson: Kalyan Bidhan Sinha , JNCASR, Bengaluru Mythily Ramaswamy , International Centre for Theoretical Sciences, Bengaluru <i>Differential equations: A glimpse</i>
10:10–10:55	Session 2B: Inaugural Lectures by Fellows/Associates Chairperson: Anil K Gupta , IIT Kharagpur
10:10–10:35	Anjan Barman , SN Bose National Centre for Basic Sciences, Kolkata <i>Spin texture driven magnetization dynamics in engineered magnetic nanostructures</i>

10:35–10:55	Anand N Sarma , Indian Institute of Science Education and Research, Thiruvananthapuram <i>Laser communication through turbulent and turbid atmosphere</i>
11:00–11:20	<i>Tea break</i>
11:20–12:55	Session 2C: Inaugural Lectures by Fellows/Associates Chairperson: Naba Kumar Mondal , Saha Institute of Nuclear Physics, Kolkata
11:20–11:40	Dhiraj Kumar , International Centre for Genetic Engineering and Biotechnology, New Delhi <i>Understanding and solving an ancient disease through modern approaches</i>
11:45–12:05	Mayuri Rao , Raman Research Institute, Bengaluru <i>Experimental cosmology at radio frequencies</i>
12:10–12:30	Manoj Majee , National Institute of Plant Genome Research, New Delhi <i>SKIP “JAZ” by SKIP31: A key event for seed maturation and desiccation tolerance</i>
12:35–12:55	Monalisa Pal , Banaras Hindu University, Varanasi <i>Amorphous carbon thin film: An emerging electronic material</i>
1300	<i>Lunch</i>

Live Streaming

28-06-2024,9.30AM IST: https://youtube.com/live/6_NoORyVvX0?feature=share

29-06-2024,9.30AM IST: <https://youtube.com/live/0bjQvuIZxBs?feature=share>

