

C. K. MAJUMDAR MEMORIAL SUMMER WORKSHOP IN PHYSICS 2026



Organised jointly by

Indian Association of Physics Teachers (Regional Council 15) [IAPT RC 15]

and

S. N. Bose National Centre for Basic Sciences [SNBNCBS], Kolkata

(July 22, 2026 to July 28, 2026)



VENUE: FERMION, SNBNCBS

PROGRAMME SCHEDULE

Wednesday, July 22, 2026

Time	Name of the Speaker	Affiliation	Title of the talk / Event
SESSION I <u>Inaugural Session</u>			
09:45 a.m. to 10:15 a.m.	Prof. Rajib Kumar Mitra	Dean of Academic Programmes, SNBNCBS, Kolkata	<i>Welcome Address</i>
10:15 a.m. to 10:30 a.m.	Dr. Bhupati Chakrabarti	Former General Secretary, IAPT	<i>A few words about IAPT and the Workshop</i>
10:30 a.m. to 11:00 a.m.	<i>TEA BREAK</i>		
11:00 a.m. to 12:15 p.m.	Prof. Ananda Dasgupta	IISER Kolkata	<i>A tale of two (or more) qbits Part-I</i>
12:15 p.m. to 01:30 p.m.	Prof. Samit Kumar Ray	IIT Kharagpur	<i>Light Matter Interactions in Semiconductors</i> <i>(Online)</i>
01:30 p.m. to 02:30 p.m.	<i>LUNCH BREAK</i>		
SESSION II			
02:30 p.m. to 05:30 p.m.	<i>Laboratory work</i>		

Thursday, July 23, 2026

<i>Time</i>	<i>Name of the Speaker</i>	<i>Affiliation</i>	<i>Title of the talk / Event</i>
SESSION I 09:30 a.m. to 10:45 a.m.	Prof. Shyamal Bhadra	IACS, Kolkata	<i>Fascinating Science in Colonial India</i>
10:45 a.m. to 11:00 a.m.	<i>TEA BREAK</i>		
11:00 a.m. to 12:15 p.m. 12:15 p.m. to 01:30 p.m.	Prof. Siddhartha Lal	IISER Kolkata	<i>Quantum Matter: Ginzburg-Landau-Wilson and beyond</i>
01:30 p.m. to 02:30 p.m.	<i>LUNCH BREAK</i>		
SESSION II 02:30 p.m. to 05:30 p.m.	<i>Laboratory Work</i>		

Friday, July 24, 2026

<i>Time</i>	<i>Name of the Speaker</i>	<i>Affiliation</i>	<i>Title of the talk / Event</i>
SESSION I 09:30 a.m. to 10:45 a.m.	Prof. Priya Mahadevan	SNBNCBS, Kolkata	<i>Simple models to understand phenomena at the nanoscale</i>
10:45 a.m. to 11:00 a.m.	<i>TEA BREAK</i>		
11:00 a.m. to 12:15 p.m.	Prof. Ananda Dasgupta	IISER Kolkata	<i>A tale of two (or more) qbits Part-II</i>
12:15 p.m. to 01:30 p.m.	Dr. Tapas Baug	SNBNCBS, Kolkata	<i>Planets outside the solar system</i>
01:30 p.m. to 02:30 p.m.	<i>LUNCH BREAK</i>		
SESSION II 02:30 p.m. to 05:30 p.m.	<i>Laboratory Work</i>		

Saturday, July 25, 2026

<i>Time</i>	<i>Name of the Speaker</i>	<i>Affiliation</i>	<i>Title of the talk / Event</i>
SESSION I 09:30 a.m. to 10:45 a.m.	Dr. Brato Chakrabarti	ICTS-TIFR, Bangalore	<i>Introduction to hydrodynamics</i>
10:45 a.m. to 11:00 a.m.	<i>TEA BREAK</i>		
11:00 a.m. to 12:15 p.m.	Dr. Samudra Roy	IIT Kharagpur	<i>Playing with Optical Frequencies Part-I</i>
12:15 p.m. to 01:30 p.m.	Dr. Samudra Roy	IIT Kharagpur	<i>Playing with Optical Frequencies Part-II</i>
01:30 p.m. to 02:30 p.m.	<i>LUNCH BREAK</i>		
SESSION II 02:30 p.m. to 03:30 p.m.	Dr. Sudipta Sasmal	Institute of Astronomy Space and Earth Science, Kolkata	<i>Innovative Corss-Disciplinary Pathways for Disaster Risk Reduction</i>
03:30 p.m. to 05:30 p.m.	Prof. Sabyasachi Mishra	IIT Kharagpur	<i>Building Quantum Circuits and Algorithms</i>

Sunday, July 26, 2026

<i>Time</i>	<i>Name of the Speaker</i>	<i>Affiliation</i>	<i>Title of the talk / Event</i>
SESSION I 09:30 a.m. to 10:45 a.m.	Dr. Avijit Chowdhury	SNBNCBS, Kolkata	<i>Artificial Synapses: Mimicking the Brain with Electronics</i>
10:45 a.m. to 11:00 a.m.	<i>TEA BREAK</i>		
11:00 a.m. to 12:15 p.m.	Prof. Atindra Nath Pal	SNBNCBS, Kolkata	<i>Can Electrons Interfere Like Light?</i>
12:15 p.m. to 01:30 p.m.	Dr. Brato Chakrabarti	ICTS-TIFR, Bangalore	<i>Life in moving fluids</i>
01:30 p.m. to 02:30 p.m.	<i>LUNCH BREAK</i>		
SESSION II 02:30 p.m. to 5:30 p.m.	Dr. Sanjoy Kumar Pal, Dr. Soumen Sarkar and Dr. Pradipta Panchadhyayee	Anandapur High School, Paschim Medinipur Amarkananda Deshbandhu Vidyalaya, Bankura Prabhat Kumar College, Contai	<i>Hands-on Demonstration session on some innovative experiments using smartphone sensors and applications</i>

Monday, July 27, 2026

<i>Time</i>	<i>Name of the Speaker</i>	<i>Affiliation</i>	<i>Title of the talk / Event</i>
SESSION I			
09:30 a.m. to 9:45 a.m.	Prof. Tanusri Saha Dasgupta	Director, SNBNCBS,Kolkata	Interaction with participants
9:45 a.m to 10:45 a.m.	Prof. Atindra Nath Pal	SNBNCBS,Kolkata	<i>Building a Perfect 1D Atomic Chain</i>
10:45 a.m. to 11:00 a.m.	<i>TEA BREAK</i>		
11:00 a.m. to 12:15 p.m.	Prof. Sakuntala Chatterjee	SNBNCBS, Kolkata	<i>Run and Tumble Motion using Reinforcement learning</i>
12:15 p.m. to 01:30 p.m.	Dr. Chayan Mondal	SNBNCBS, Kolkata	<i>A journey through galaxies: from the local to the distant universe</i>
01:30 p.m. to 02:30 p.m.	<i>LUNCH BREAK</i>		
SESSION II			
02:30 p.m. to 03:45 p.m.	<i>Laboratory Work</i>		

Tuesday, July 28, 2026

<i>Time</i>	<i>Name of the Speaker</i>	<i>Affiliation</i>	<i>Title of the talk / Event</i>
SESSION I			
09:30 a.m. to 10:45 a.m.	Dr. Bhupati Chakrabarti	Former general secretary, IAPT	<i>How the Physicists Made a Year Unique in the History of Nobel Prize</i>
10:45 a.m. to 11:00 a.m.	<i>TEA BREAK</i>		
11:00 a.m. to 12:15 p.m.	Prof. Punyabrata Pradhan	SNBNCBS, Kolkata	<i>Hidden Order in Disorder: How Nature Organizes Matter Beyond Equilibrium</i>
12:15 p.m. to 01:30 p.m.	Students' Session		
01:30 p.m. to 02:30 p.m.	<i>LUNCH BREAK</i>		
SESSION II			
02:30 p.m. to 05:30 p.m.	<i>Valedictory Session</i>		

***** END OF THE PROGRAMME *****