

C. K. MAJUMDAR MEMORIAL SUMMER WORKSHOP IN PHYSICS 2017
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

May 23 to June 02, 2017

P R O G R A M M E

Tuesday, May 23, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:00 am	R E G I S T R A T I O N		
10:00 am to 11:00 am (Inaugural Session)	Prof. Samit Kumar Ray	Director, S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Inaugural Address
	Dr. Bhupati Chakrabarti	General Secretary, IAPT	A few words about IAPT and the Workshop
	Dr. Gopal Chandra Bera	Principal, Midnapore College, Medinipur, West Bengal	A few words on IAPT and Centre for Scientific Culture, Midnapore College
11:00 am to 11:30 am	T E A B R E A K		
11:30 am to 12:30 pm	Prof. Naba Kumar Mondal	Raja Ramanna Fellow, Saha Institute of Nuclear Physics, Salt Lake, Kolkata	Keynote Address Neutrinos: A new window to the universe
12:30 pm to 01:30 pm	Prof. Jayanta Kumar Bhattacharjee	Director, Harish-Chandra Research Institute, Allahabad	Quantum Dynamics I
01:30 pm to 02:30 pm	L U N C H B R E A K		
02:30 pm to 03:30 pm	Dr. Punyabrata Pradhan	S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Characterizing fluctuations in driven many-particle systems I
03:30 pm to 03:45 pm	T E A B R E A K		
03:45 pm to 04:45 pm	Dr. Subhas Samanta	Midnapore College, Medinipur, West Bengal	On Project-based Physics Education
04:45 pm to 05:30 pm	orientation Session		

Wednesday, May 24, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Dr. Soumen Mondal	S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Star formation in the Milky Way
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 12:15 pm	Dr. Punyabrata Pradhan	S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Characterizing fluctuations in driven many-particle systems II
12:15 pm to 01:30 pm	Dr. Syed Minhaz Hossain	Indian Institute of Engineering, Science and Technology, Shibpur, Howrah, West Bengal	Low dimensional solid state electronics: Role of surface states
01:30 pm to 02:30 pm	<i>L U N C H B R E A K</i>		
02:30 pm to 04:00 pm	L a b o r a t o r y S e s s i o n		
04:00 pm to 06:00 pm	Dr. Soumen Mondal and Dr. Ramkrishna Das	S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Telescope demonstration

Thursday, May 25, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Dr. Chinmoy Kumar Ghosh	Indira Gandhi National Open University, Delhi	Discussion on some Problems in Classical Mechanics I
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 12:15 pm	Prof. Amitava Raychaudhuri	Dept. of Physics, University of Calcutta, Kolkata	The enigma of mass
12:15 pm to 01:30 pm	Prof. Jayanta Kumar Bhattacharjee	Director, Harish-Chandra Research Institute, Allahabad	Quantum Dynamics II
01:30 pm to 02:30 pm	<i>L U N C H B R E A K</i>		
02:30 pm to 05:30 pm	L a b o r a t o r y S e s s i o n		

Friday, May 26, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Dr. Shibaji Banerjee	St. Xavier's College, Kolkata	Astrophysics: Particles and Space-Time I
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 12:15 pm	Prof. Parthasarathi Mitra	Saha Institute of Nuclear Physics, Salt Lake, Kolkata	Parity and time-reversal in quantum mechanics
12:15 pm to 01:30 pm	Prof. Guruprasad Kar	Indian Statistical Institute, Kolkata	Quantum No-go theorems turn into useful tasks I
01:30 pm to 02:30 pm	<i>L U N C H B R E A K</i>		
02:30 pm to 05:30 pm	L a b o r a t o r y S e s s i o n		

Saturday, May 27, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Prof. Parthasarathi Majumdar	Ramakrishna Mission Vivekananda University, Belur Math, Howrah, West Bengal	Relativistic Electrodynamics I
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 12:15 pm	Prof. Parthasarathi Majumdar	Ramakrishna Mission Vivekananda University, Belur Math, Howrah, West Bengal	Relativistic Electrodynamics II
12:15 pm to 01:30 pm	Dr. Chinmoy Kumar Ghosh	Indira Gandhi National Open University, Delhi	Discussion on some Problems in Classical Mechanics II
01:30 pm to 02:30 pm	<i>L U N C H B R E A K</i>		
02:30 pm to 03:30 pm	Prof. Gour Prasad Das	Indian Association for the Cultivation of Science, Jadavpur, Kolkata	From wave function to electron density
03:30 pm to 05:30 pm	S t u d e n t s ' S e s s i o n		

Sunday, May 28, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Students' Session		
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 01:30 pm	Dr. Birendra Nath Das	Vivekananda College, Kolkata	Some activities in Physics
01:30 pm to 02:30 pm	<i>L U N C H</i>		

Monday, May 29, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Prof. Samit Kumar Ray	Director, S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	The wonderful world of semiconductor materials
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 12:15 pm	Prof. Biswajit Chakraborty	S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Beyond Euclidean Geometry: Riemannian and Spectral Geometry and their application in Physics I
12:15 pm to 01:30 pm	Prof. Guruprasad Kar	Indian Statistical Institute, Kolkata	Quantum No-go theorems turn into useful tasks II
01:30 pm to 02:30 pm	<i>L U N C H B R E A K</i>		
02:30 pm to 05:30 pm	Laboratory Session		

Tuesday, May 30, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Students' Session		
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 12:15 pm	Prof. Biswajit Chakraborty	S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Beyond Euclidean Geometry: Riemannian and Spectral Geometry and their application in Physics II
12:15 pm to 01:30 pm	Prof. Kalyan Mandal	S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Magnetic nanomaterials
01:30 pm to 02:30 pm	<i>L U N C H B R E A K</i>		
02:30 pm to 05:30 pm	Laboratory Session		

Wednesday, May 31, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Dr. Shibaji Banerjee	St. Xavier's College, Kolkata	Astrophysics: Particles and Space-Time II
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 12:15 pm	Prof. Anjan Barman	S N Bose National Centre for Basic Sciences, Salt Lake, Kolkata	Magnetization Dynamics: From Theory to Experiment
12:15 pm to 01:30 pm	Prof. Shyamal Bhadra	Indian Association for the Cultivation of Science, Jadavpur, Kolkata	Wonders of optical fibre
01:30 pm to 02:30 pm	<i>L U N C H B R E A K</i>		
02:30 pm to 05:30 pm	Laboratory Session		

Thursday, June 01, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Dr. Raja Pal	Indian Association for the Cultivation of Science, Jadavpur, Kolkata	Computer modeling and simulation of cell division
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 12:15 pm	Students' Session		
12:15 pm to 01:30 pm	Prof. Shyamal Bhadra	Indian Association for the Cultivation of Science, Jadavpur, Kolkata	A new twist on light by photonic crystals
01:30 pm to 02:30 pm	<i>L U N C H B R E A K</i>		
02:30 pm to 05:30 pm	Laboratory Session		

Friday, June 02, 2017

Time	Name of the Speaker	Affiliation	Title of the talk / Event
09:30 am to 10:45 am	Dr. Bhupati Chakrabarti	City College, Kolkata	Simple Experiments, Simpler Calculations and Revealing Results
10:45 am to 11:00 am	<i>T E A B R E A K</i>		
11:00 am to 01:30 pm	VALEDICTORY SESSION		
01:30 pm to 02:30 pm	<i>L U N C H</i>		