



# Meghnad Saha Memorial International Conference on Frontiers of Physics (MSMICFP-2023)



**“The Centenary Celebration of the Department of Physics”  
November 22 - 24, 2023**

**Department of Physics, University of Allahabad, Prayagraj-211 002, India**

<b>Day-I (November 22, 2023)</b>			
<b>8:00-9:00</b>	BREAKFAST (Senate Hall Lawn)		
<b>9:00-9:45</b>	REGISTRATION		
<b>10:00-11:45</b>	<b>SESSION-I: INAGURATION</b> (Senate Hall, UoA) CHAIR: Hon'ble Vice-Chancellor Keynote address: <b>Larry D. McLerran</b>		
<b>11:45-12:15</b>	High Tea		
<b>12:15-13:30</b>	<b>SESSION-II: Popular Plenary Talks</b> Saha's endeavors for the Science & Society CHAIR: V. K. Tiwari SPEAKERS: <b>1. Ajoy Ghatak</b> <b>2. A. M. Srivastava</b>		
<b>13:30-14:30</b>	LUNCH (Venue: Department of Physics, UoA)		
	<b>PARALLEL SESSION</b> (CMP, PT and CP) (Lecture Hall-120)	<b>PARALLEL SESSION</b> (NHP and QGP) Lecture Hall-18	<b>PARALLEL SESSION</b> (LSLPI, FO and Photonics) (Lecture Hall-119)
<b>14:30-15:40</b>	<b>SESSION-IIIA:</b> INVITED TALK CHAIR: B. K. Agrawal SPEAKERS: <b>1. A. K. Tyagi</b> <b>2. S. Varma</b>	<b>SESSION-IIIB:</b> INVITED TALK CHAIR: Vinod Prakash SPEAKERS: <b>1. R. Palit</b> <b>2. V. V. Parker</b>	<b>SESSION-IIIC:</b> INVITED TALK CHAIR: A. K. Rai SPEAKERS: <b>1. A. Sharma</b> <b>2. A. Paknezhad</b>
<b>15:40-16:00</b>	TEA		
<b>16:00-17:00</b>	<b>SESSION-IVA:</b> ORAL PRESENTATION CHAIR: Beer Pal Singh SPEAKERS: (CPC/ORAL/1-6)	<b>SESSION-IVB: ORAL</b> PRESENTATION CHAIR: R. Palit SPEAKERS: (NHP/ORAL/1-6) (AQQ/ORAL/1-2)	<b>SESSION-IVC: ORAL</b> PRESENTATION CHAIR: S. Kumar SPEAKERS: (LFP/ORAL/1-7)
<b>17:00-19:00</b>	<b>SESSION-V: POSTER PRESENTATION</b> All posters of theme code CPC (1-53), LFP(1-18) and NHQ (1-35) TEA AND SNACKS		
<b>19:00-20:00</b>	DINNER		
<b>Day-II (November 23, 2023)</b>			
<b>8:00-9:00</b>	BREAKFAST (Department of Physics, UoA)		
<b>9:00-10:30</b>	CHAIR: <b>A. Paknezhad</b>	<b>SESSION-VI: PLENARY TALKS</b> (Lecture Hall-18)  SPEAKERS: <b>1. S. Ghosh</b>	

	<b>2. K. Thyagarajan</b>		
<b>10:30-10:45</b>	TEA		
	<b>PARALLEL SESSIONS</b>		
<b>10:45-12:30</b>	<b>SESSION-VIIA:</b> (CMP, PT and CP) (Lecture Hall-120) INVITED TALK CHAIR: S. Varma SPEAKERS: 1. N. Khare 2. P. Majumdar 3. M. Kumar	<b>PARALLEL SESSION-B</b> (NHP and QGP) Lecture Hall-18 INVITED TALK CHAIR: A. M. Srivastava SPEAKERS: 1. Larry McLerran 2. R. V. Gavai 3. M. Naimuddin	<b>PARALLEL SESSION-C</b> (LSLPI, FO and Photonics) (Lecture Hall-119) INVITED TALK CHAIR: Ram Gopal SPEAKERS: 1. D. S. Mehta 2. R. Ranjan 3. V. K. Rai
<b>12:30-12:45</b>	TEA		
<b>12:45-13:30</b>	<b>SESSION-VIIIA: ORAL</b> PRESENTATION CHAIR: Naresh Kumar (CPC/ORAL/7-12)	<b>SESSION-VIIIB: ORAL</b> PRESENTATION CHAIR: B. P. Singh (AQQ/ORAL/3-6)	<b>SESSION-VIIIC: ORAL</b> PRESENTATION CHAIR: R. Kumar (OCN/ORAL/1-6)
<b>13:30-14:30</b>	LUNCH		
<b>14:30-15:40</b>	<b>SESSION-IXA: (CMP, PT</b> <b>and CP)</b> INVITED TALK CHAIR: R. Kripal SPEAKERS: 1. T. K. Sharma 2. Z. H. Khan	<b>SESSION-IXB: (NHP and</b> <b>QGP)</b> INVITED TALK: CHAIR: Larry McLerran SPEAKERS: 1. B. Chaudhary 2. A. M. Srivastava	<b>SESSION-IXC: ( Astro., QO</b> <b>and QC)</b> INVITED TALK: CHAIR: M. Das SPEAKERS: 1. S. Rastogi 2. B. P. Singh
<b>15:40-16:00</b>	TEA		
<b>16:00-18:00</b>	<b>SESSION-XI POSTER PRESENTATION</b> All posters of theme code AQQ(1-26) and OCN(1-69) TEA AND SNACKS		
<b>18:00-20:00</b>	CULTURAL EVENT		
<b>20:00-21:00</b>	DINNER		
	<b>Day-III (November 24, 2023)</b>		
<b>8:00-9:00</b>	BREAKFAST (Department of Physics, UoA)		
<b>9:00-11:30</b>	<b>SESSION-XII: PLENARY TALKS &amp; INDUSTRY INTERATION</b> (Lecture Hall-18) CHAIR: A. K. Mittal SPEAKERS: 1. D. K. Aswal 2. B. Mohanty 3. D. K. Srivastava 4. Industry Interaction		
<b>11:30-11:45</b>	TEA		
	<b>PARALLEL SESSIONS</b>		
	<b>CMP, PT and CP</b> (Lecture Hall-120)	<b>Astro., QO and QC</b> Lecture Hall-18	<b>Other CER and Nano</b> (Lecture Hall-119)
<b>11:45-13:30</b>	<b>SESSION-XIIIA:</b> INVITED TALK CHAIR: D. K. Aswal SPEAKERS: 1. S. P. Das 2. B. C. Yadav 3. P. Misra	<b>SESSION-XIIIB:</b> INVITED TALK CHAIR: B. Mohanty SPEAKERS: 1. M. Das 2. K. Saha 3. A. Omar	<b>SESSION-XIIIC: INVITED</b> TALK CHAIR: R. Dhar SPEAKERS: 1. Beer Pal Singh 2. S. Kumar 3. C. R. Gautam

<b>13:30-14:30</b>	<b>LUNCH</b>		
<b>14:30-15:40</b>	<b>SESSION-XIVA</b> INVITED TALK CHAIR: S. P. Das SPEAKERS: <b>1. B. S. Yadav</b> <b>2. R. Kumar</b>	<b>SESSION-XIVB : (NHP and QGP)</b> INVITED TALK CHAIR: A. M. Srivastava SPEAKERS: <b>1. B. K. Singh</b> <b>2. A. Kumar</b>	<b>SESSION-XIV C INVITED TALK</b> CHAIR: S. Kumar SPEAKERS: <b>1. K. Singh</b> <b>2. B. N. Pal</b>
<b>15:40-16:00</b>	<b>SESSION-XVA: ORAL PRESENTATION</b> CHAIR: P. Mishra (OCN/ORAL/7-8)	<b>SESSION-XVB: ORAL PRESENTATION</b> CHAIR: K. Singh (OCN/ORAL/9-10)	<b>SESSION-XVC: ORALPRESENTATION</b> CHAIR: V. K. Rai (OCN/ORAL/11-12)
<b>16:00-17:00</b>	<b>SESSION-XVI: VALEDICTORY SESSION followed by Awards Ceremony</b>		
<b>17:00-17:30</b>	<b>HIGH TEA</b>		

### Symposia/Sessions:

- A- **CMP, PT and CP:** Condensed Matter Physics, Phase Transition and Critical Phenomenon
- B- **NHP and QGP:** Nuclear and High Energy Physics, Quark-Gluon Plasma
- C- **LSLPI, FO and Photonics:** Lasers, Spectroscopy, LIBS, Laser Plasma Interaction, Fibre Optics and Photonics
- D- **Astro., QO and QC:** Astrophysics, Quantum Optics and Quantum Computation
- E- **Other CER and Nano:** Other Cutting Edge Research Areas of Physics and Nanotechnology