

SPECTRUM 2024

5th International Students' Conference on Current Advancements in Science & Technology

19th -21st January 2024

Organized by

*Department of Basic Science & Humanities,
Institute of Engineering & Management, Kolkata
University of Engineering and Management, Kolkata*

Program Schedule

Day 1: 19.01.2024 (Friday)

Online links for all sessions:

[https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV](https://zoom.us/join/https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV)

Meeting ID: 967 9556 3344

Passcode: 605633

Venue: CII Auditorium (1st Floor), Engineering Section, IEM Management House

Time (IST)

Speakers

Online link

Inauguration Session

Rapporteur: Prof. Dr. Koyel Ganguly, Professor, BSH Department, IEM, Kolkata

12.00 PM - 12.20 PM

Welcome Address

- **Prof. Dr. Satyajit Chakrabarti**, Director, Institute of Engineering & Management, University of Engineering and Management, Kolkata

Inaugural Address

- **Prof. Dr. Arun Kumar Bar**, Principal, Institute of Engineering & Management, University of Engineering and Management, Kolkata

About the conference

- **Prof. Dr. Arnab Basu**, Joint Convener, SPECTRUM - 2024

Vote of Thanks

- **Prof. Dr. Prabir Kumar Das**, Chair, SPECTRUM - 2024 and Head of the Department, BSH

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Key Note Session		
Session Chair: Dr. Saswati Barman, Research Professor, BSH Department, IEM, Kolkata		
12.20 PM - 01.00 PM	<p>Prof. K. N. Gunalan, <i>President ASCE, D.GE., NAC</i> <i>Senior Vice President AECOM</i> <i>Co-Chair UN STC MG</i> <i>Chair WFEO UN Relations Committee</i> <i>President Atlas Initiative</i> <i>Vice Chair ICSI</i> <i>Ambassador for Climate Resilient Earth Stimson Center</i></p> <p>Title: "Future of Engineering"</p>	https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV
03.30 PM - 04.30 PM	Registration	
Planery Session		
Session Chair: Dr. Tina De, BSH Department, IEM, Kolkata		
04.30 PM - 05.15 PM	<p>Prof. Dr. Sandeep S. Ghugre, <i>Centre-Director, UGC DAE Consortium of Scientific Research, Kolkata Centre</i></p> <p>Title: "The 'Then' & 'Now' of Data Handling & Data Reduction: a Personal History"</p>	https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV
05.15 PM - 05.45 PM	TEA Break	
Technical Session I		
Session Chair: Dr. Tina De, BSH Department, IEM, Kolkata		
05.45 PM - 06.30 PM	<p>Prof. Thomas J. Webster, <i>Interstellar Therapeutics, Mansfield, USA</i></p> <p>Title: "A Real BandAid: Incorporating Artificial Intelligence (RI) into Biomaterials and Medicine"</p>	https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV
Day 2: 20.01.2024 (Saturday)		
<p>Online links for all sessions: https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV</p> <p>Meeting ID: 967 9556 3344</p> <p>Passcode: 605633</p>		
Venue: Science Auditorium (1st Floor), IEM Gurukul Campus, College More		

Technical Session II		
Rapporteur: Prof. Deboleena Chakraborty, BSH Department, IEM, Kolkata Session Chair: Prof. Dr. Sharmistha Ghosh, BSH Department, IEM, Kolkata		
10.00 AM - 10.45 AM	Prof. Dr. Manik Banik, <i>S.N. Bose National Centre for Basic Sciences, Kolkata</i> Title: "On Composition of Quantum Systems: Some Foundational Aspects"	https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV
10.45 AM - 11.15 AM	TEA Break	
11.15 AM - 12.00 PM	Prof. Dr. Debmalya Sain, <i>Indian Institute of Information Technology, Raichur</i> Title: "On the foundational philosophies of Logic and Mathematics"	https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV
12.00 PM - 01.00 PM	Lunch Break	
Contributory Parallel Sessions		
1.00 PM - 03.00 PM	ORAL Presentation I	
	Poster Session I	
	Poster Session II	
Day 3: 21.01.2024 (Sunday)		
Online links for all sessions: https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV Meeting ID: 967 9556 3344 Passcode: 605633		
Venue: Science Auditorium (1st Floor), IEM Gurukul Campus, College More		
Technical Session III		
Rapporteur: Prof. Mrittika Ghosh, BSH Department, IEM, Kolkata Session Chair: Prof. Dr. Biswadip Basu Mallik, BSH Department, IEM, Kolkata		

<p>10.00 AM - 10.45 AM</p>	<p>Prof. Dr. Uddalak Bharadwaj, <i>Department of Infectious Diseases, The University of Texas, USA</i></p> <p>Title: "Anti-Cancer drug development, the TTI-101 experience; HCC, Fibrosis and beyond"</p>	<p>https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV</p>
<p>10.45 AM - 11.15 AM</p>	<p style="text-align: center;">TEA Break</p>	
<p>11.15 AM - 12.00 AM</p>	<p>Prof. Dr. Parthasarathi Majumdar, <i>Indian Association for the Cultivation of Science, Kolkata</i></p> <p>Title: "Microsolar Electricity Generation and Use : How We all Can"</p>	<p>https://zoom.us/meeting/register/tJlqfuytqDgpHtA0laDSVUy5Q-YD-eDhV8DV</p>
<p>12.00 PM - 01.00 PM</p>	<p style="text-align: center;">Lunch Break</p>	
<p style="text-align: center;">Contributory Parallel Sessions</p>		
<p>1.00 PM - 02.30 PM</p>	<p style="text-align: center;">ORAL Presentation II</p>	
	<p style="text-align: center;">Poster Session III</p>	
	<p style="text-align: center;">Poster Session IV</p>	
<p>02.30 PM - 03.00 PM</p>	<p style="text-align: center;">Valedictory Session and prize distribution</p>	

Details of Contributory Parallel Sessions

Sessions	Session Chair/Judge	Venue
ORAL Presentation I	Prof. Dr. Soumyadipta Pal, Prof. Dr. Krishanu Deyasi, Prof. Dr. Kakoli Dutta	Science Auditorium (1st Floor), IEM Gurukul Campus, College More, Sector V, Bidhannagar, Kolkata
ORAL Presentation II	Prof. Dr. Soumyadipta Pal, Prof. Dr. Pratap Mukherjee	
POSTER Session I	Prof. Dr. Subarna Datta, Prof. Dr. Subhamoy Banerjee, Prof. Santanu Das, Prof. Dr. Emona Datta	Satya Sai Auditorium (Ground Floor), IEM Gurukul Campus, College More, Sector V, Bidhannagar, Kolkata
POSTER Session II		
POSTER Session III	Prof. Dr. Chandan Adhikari, Prof. Dr. Emona Datta, Prof. Dibakar Roy Choudhury, Prof. Dr. Animesh Kundu	
POSTER Session IV		