

The First International Conference on Sustainable Technologies (ICST-2024)
Venue: New Academic Building, National Institute of Technology, Durgapur 713209, WB, India

TECHNICAL PROGRAMME

PROGRAMME on 12.12.2024					
9.00-10.00 a.m.		Registration and High-Tea in front of Max Planck auditorium			
10:00-11.00 a.m.		Inaugural Session at Max Planck Auditorium (401)			
		Welcoming the guests on dais by flower bouquet Lighting of the lamps by the guests on dais Welcome Address by the Prof. A. Choubey, Director, NIT-Durgapur Welcome Address by the Prof. F. Mukhopadhyay, Principal, Bidhan Chandra College, Asansol Theme address by Conference Chair, Prof. A.K. Chakraborty, NIT Durgapur Address by the Guest of Honour, Prof. K.K. Nanda, Director, IoP Bhubaneswar Address by the Guest of Honour, Prof. S.K. Ray, IIT Kharagpur Address by Chief Guest, Prof. H. Inokawa, Japan Vote of thanks by the Convenor, Dr. A. Banerjee, BC College, Asansol			
11.00-11.15 a.m.		Tea/coffee break at the Foyer			
Technical Session 1 on 12.12.2024 at Max Planck Auditorium (401) Session Chair: Prof. B. K. Panigrahi, IoP Bhubaneswar					
11.15-12.00		Plenary (P1) by Prof. H. Inokawa, Japan			
12.00-12.45 p.m.		Plenary (P2) by Prof. Karuna Kar Nanda, Director, IOP, Bhubaneswar			
12.45 a.m.-1.00		Special publication lecture by Dr. Subhabrata Mukhopadhyay, Wiley			
1.00-1.15 pm		Group Photo			
LUNCH at the Foyer (1.00-2.00 p.m.)					
Technical Session 2 (2:00 pm to 4:20 pm)					
Technical Session 2A (Energy) Venue: Room no. 205 Session Chair: Prof. Sagar Mitra		Technical Session 2B (Solid state/data) Venue: Venue: Room no. 206 Session Chair: Prof. H. Inokawa		Technical Session 2C (ICST Awards & Medal Lecture) Venue: Venue: Room no. 207 Session Chair: Prof. J. N. Ray	
02.00-02.30 p.m.	K1 by U. Sarkar	02.00-02.30 p.m.	K13 by Debashis De		02.00-03.00 p.m. Distinguished Scientist Award: Dr. Abhik Banerjee Dr. Uttam Kumar Ghorai Dr. Tushar Kanti Bera
02.30-03.00 p.m.	K2 by Sudipto De	02.30-03.00 p.m.	K8 by B K Panigrahi		
03.00-03-20 p.m	I1 by Bhaskar Biswas	03.00-03-20 p.m	I8 by Puja Dey		03.00-03.20 p.m. Young Scientist Award: Dr. Ashim Pramanik Dr. Kousik Bhunia
03.20-03.30 p.m.	O1 Abs-1	03.20-03.30 p.m.	O5	Abs-24	03.20-04.20 p.m. Empowering Women Award: Dr. Udit Mukhopadhyay Dr. Moupiya Ghosh Dr. Baby Salini Dr. Barnali Ghatak Dr. Udit Goswami
03.30-03.50 p.m.	I2 by Supravat Karak	03.30-03.40 p.m.	O6	Abs-25	
03.50-04.00 p.m.	O2 Abs-2	03.40-03.50 p.m.	O7	Abs-26	
04.00-04.10 p.m.	O3 Abs-3	03.50-04.00 p.m.	O8	Abs-27	
04.10-04.20 p.m.	O4 Abs-4				
04.20-05.20 pm		Tea & Poster Session-1 at The Foyer			
5:20 pm to 6:20 pm Cultural program, Max Planck auditorium					
6:20 to 6:30 pm Snacks and dispersal					

PROGRAMME ON 13.12.2024 (FRIDAY)						
9.00-10.00 a.m.	High-Tea in front of Max Planck auditorium					
Technical Session 3 at Max Planck Auditorium (401) Session Chair: Prof. Karuna Kar Nanda, IOP Bhubaneswar						
10.30-11.15 a.m.	Plenary (P3) by Prof. Satis Chandra Ogale, TCG-CREST, Kolkata					
11.15-12.00 a.m.	Plenary (P4) by Prof. Sagar Mitra, IIT Bombay					
12.00-12.45 p.m.	Plenary (P5) by Prof. Samit K. Ray, IIT Kharagpur					
12.45:1.00 p.m.	Special Lecture by Dr. Sukumar Dey on activities of ANRF, DST					
LUNCH at the FOYER (1.00 p.m.- 2:00 pm)						
Technical Session 4 (2:00 pm to 4:00 pm)						
Technical Session 4A (Energy) Venue: Room no. 205 Session Chair: Prof. Apurba Layek		Technical Session 4B (Solid state) Venue: Venue: Room no. 206 Session Chair: Prof. R. Mahapatra			Technical Session 4C (Water & Environment) Venue: Venue: Room no. 207 Session Chair: Prof. Rajnarayan Saha	
02.00-02.30 p.m	K3 by G. Halder		02.00-02.20 p.m	I7 by Bholanath Pal		02.00-02.10 p.m O15 Abs-72
						02.10-02.20 p.m O16 Abs-73
						02.20-02.30 p.m O17 Abs-74
02.30-03.00 p.m	K4 by S. Batabyal		02.20-02.40 p.m	I10 K Parida		02.30-02.40 p.m O18 Abs-75
						02.40-02.50 p.m O19 Abs-76
03.00-03-20 p.m	I3 by Basudev Pradhan		02.40-03.00 p.m	Digitoad Tech. (Industry)		02.50-03.00 p.m O20 Abs-77
			03.00-03.10 p.m	O12	Abs-28	03.00-03.10 p.m O21 Abs-78
03.20-03.30 p.m	O9	Abs-5	03.10-03.30 p.m	VVDN Techn. (Industry)		03.20-03.30 p.m O24 Abs-80
03.30-03.50 p.m	I4 by S. Bhattacharya		03.30-03.40 p.m	O13	Abs-29	03.30-03.40 p.m O25 Abs-81
03.50-04.00 p.m	O10	Abs-6	03.40-03.50 p.m	O14	Abs-30	03.40-03.50 p.m O26 Abs-82
04.00-04.10 p.m	O11	Abs-7				03.50-4.00 p.m O27 Abs-83
04.00-04.20 p.m. Tea at The Foyer						
Technical Session 5 (4:20 to 6:20 pm)						
Technical Session 5A (Energy) Venue: Room no. 205 Session Chair: Prof. Sudipta De			Technical Session 5B (Biotech & health) Venue: Venue: Room no. 206 Session Chair: Prof. Ajit K. Meikap			
04:20- 04.50 pm	K5 by P. Kumbhakar		04:20- 04.40 pm	I16 by Sankar Moi		
04:50- 05.00 pm	I6 by Rohit Shahi		04:40- 05.00 pm	I17 by R BHATTACHARJEE		
05.00-05.10 p.m.	O28	Abs-8	05.00-05.10 p.m	O33	Abs-98	
05.10-05.30 p.m.	O29	Abs-9	05.10-05.20 p.m	O34	Abs-99	
05.30-05.40 p.m.	O30	Abs-10	05.20-05.30 p.m	O35	Abs-100	
05.40-05.50 p.m.	O31	Abs-11	05.30-05.40 p.m	O36	Abs-101	
05.50-06.00 p.m.	O32	Abs-12	05.40-05.50 p.m	O37	Abs-102	
			05.50-06.00 p.m	O38	Abs-103	
			06.00-06.10 p.m	O39	Abs-107	
			06.10-06.20 p.m	O40	Abs-110	
6:20 to 6:30 pm Snacks and dispersal						

PROGRAMME ON 14.12.2024 (SATURDAY)								
9.00-9.30 a.m.		High-Tea in front of Max Planck auditorium						
Technical Session 6 (9:30 to 11:15 am)								
Technical Session 6A (Water & Environment) Venue: Room no. 205 Session Chair: G. Halder		Technical Session 6B (Solid state) Venue: Venue: Room no. 206 Session Chair: A. K. Bhattacharya			Technical Session 6C (Data Science) Venue: Venue: Room no. 207 Session Chair: Prof. Karforma			
09.30-10.00 a.m.	K15 by Nimai Saha		09.30-10.00 a.m.	K6 by P. Banerjee		09.30-10.00 a.m.	K4 by Amlan Chakraborty	
10.00-10.20 a.m.	I14 by S. Chakraborty		10.00-10.30 a.m.	K7 by S. Mukherjee		10.00-10.10 a.m.	O45	Abs-50
10.20-10.40 a.m.	I15 by Ravindra Jha		10.30-10.40 a.m.	I5 by Abhik Banerjee		10.10-10.20 a.m.	O46	Abs-51
10.40-10.50 a.m.	O41	Abs-84	10.40-10.50 a.m.			10.20-10.30 a.m.	O47	Abs-52
10.50-11-00 a.m.	O42	Abs-85	10.50-11-20 a.m.	K9 by S, Chattopadhyay		10.30-10-40 a.m.	O48	Abs-53
11.00-11-10 a.m.	O43	Abs-86				10.40-10-50 a.m.	O49	Abs-54
11.10-11-20 a.m.	O44	Abs-87				10.50-11-00 a.m.	O50	Abs-55
						11.00-11-10 a.m.	O51	Abs-56
						11.10-11-20 a.m.	O52	Abs-57
11.20-11.30 a.m. Tea at The Foyer								
Technical Session 7 (11:30 to 01:30 pm)								
Technical Session 7A (Quantum) Venue: Room no. 205 Session Chair: T. Som		Technical Session 7B (Solid State) Venue: Venue: Room no. 206 Session Chair: Prof. S. K. Ray			Technical Session 7C (Data Science) Venue: Venue: Room no. 207 Session Chair: Prof. A. Chakraborti			
11.30-12-00 a.m.	K10 by Arun K Pati		11.30-11-50 a.m.	I12 by Abhijit Kar		11.30-11-40 a.m.	O65	Abs-58
12-00-12:30 p.m.	K11 by M. Mukherjee		11-50-12:00 p.m.	O56	Abs-31	11.40-11-50 a.m.	O66	Abs-59
12.30-12.50 p.m.	I13 by Joyee Ghosh		12.00-12.10 p.m.	O57	Abs-32	11.50-12-00 p.m.	O67	Abs-60
12-50-1:00 p.m.	O53		12-10-12:20 p.m.	O58	Abs-33	12-00-12:10 p.m.	O68	Abs-61
01-00-1:10 p.m.	O54		12-20-12:30 p.m.	O59	Abs-34	12.10-12.20 p.m.	O69	Abs-62
01-10-1:20 p.m.	O55		12.30-12.40 p.m.	O60	Abs-35	12.20-12.30 p.m.	O70	Abs-63
			12.40-12.50 p.m.	O61	Abs-36	12.30-12.40 p.m.	O71	Abs-64
			12-50-1:00 p.m.	O62	Abs-37	12.40-12.50 p.m.	O72	Abs-65
			01-00-1:10 p.m.	O63	Abs-38	12.50-1.00 p.m.	O73	Abs-66
			01-10-1:20 p.m.	O64	Abs-43	01.00-01.10 p.m.	O74	Abs-67
						01-10-1:20 p.m.	O75	Abs-71
LUNCH at the FOYER (1.30 p.m.- 2:30 pm)								
Technical Session 8 (2:30 pm to 3:30 pm)								
Industry Academia Conclave : "Bridging the Gap between Academia & Industry for Sustainable Future" Moderator: Prof. Amit K. Chakraborty Esteemed Guest Panelists: Prof. Tapobrata Som, Prof., Institute Of Physics, & Scientist-In-Charge, Bhubaneswar Node, UGC-DAE CSR; Prof. Sourangshu Mukhopadhyay, Professor, The University of Burdwan; Prof. Nimai Chandra Saha, Professor and Director of public instruction, Education Directorate, Government of West Bengal; Prof. Amlan Chakraborti, Professor and Director, A.K. Choudhury School of IT, University Of Calcutta; DR. Goutam K. Dalapati, CEO, Hydrogen Innovation; SRI Abhijit Banerjee, Director & Regional HR Head, TDK Electronics; MR. Suprakash Das, Director Finance, TCG CREST;								
Valedictory Session (3:30-4:30 pm) Address by the Guest of Honour, Sri Niladri Roy, Director (Technical) OP/P&P, Eastern Coalfield Limited Announcement of ICST-Sponsored Best Paper Awards and RSC-Sponsored Best Paper Awards								
Group Photo & Dispersal								

