

3rd Biennial International Symposium on Fluids and Thermal Engineering (FLUTE - 2025)

Theme: Innovations and Future Directions in Renewable Energy Harvesting and Sustainable Thermal Systems

7th August 2025 (Day 1)

9:00 AM-10:00 AM	Registration (F2- Ground Floor)					
10:00 AM-10:45 AM	INAUGURAL SESSION (F2- Auditorium)					
10:50 AM-11:15 AM	High Tea					
11:20 AM-12:00 PM	Special Talk: Dr Ranjana Nallamalli Outstanding Scientist, Director of Futuristic Technology Management, DRDO, Delhi, India Session Chair : Dr. Raveesh Kumar, Ex-Scientist (H) DRDO, Delhi India (Venue F2- Auditorium), 35 Minutes					
Invited Talk						
12:00 AM-12:30 PM	Dr. Deepak Kumar Agarwal Group Head (TAEG) Liquid Propulsion Systems Centre, Valiamala Session Chair: Prof. (Dr.) Anil Kmar Sharma JMI, New Delhi Venue F2- Auditorium, 30 Minutes			Prof. (Dr.) Gaurav Tomar Professor, IISc Bangalore Session Chair: Prof. V K Jain AINST, Noida (Venue F1- MDP Room), 30 Minutes		
12:30 PM-1:00 PM	Prof. (Dr.) Simhachala Rao Scientist/Engineer 'SG, Thermal Systems Group, URSC (ISRO) Session Chair: Prof. (Dr.) Arvind Gupta JCBUST, Faridabad (Venue F2- Auditorium), 30 Minutes			Prof. Ankit Agrawal Research Professor, Northwestern University, Chicago Session Chair: Prof. V K Jain AINST, Noida (Venue F1- MDP Room), 30 Minutes		
1:00PM-2:00 PM	LUNCH (Wall Street)					
Invited Talk						
2:00 PM- 2:30 PM	Speaker: Prof. (Dr.) Atul Srivastava Professor, Indian Institute of Technology, Mumbai Session Chair: Prof. (Dr.) Arvind Gupta JCBUST, Faridabad (Venue F2- Auditorium), 30 Minutes			Speaker: Dr. Maneesh Punetha Indian Institute of Technology, Bhubaneswar, India Session Chair: Prof. (Dr.) Anil Kumar DTU, New Delhi Venue: F1- MDP Room 30 Minutes		
2:30 PM- 3:30PM	Paper Presentation Session 1			Paper Presentation Session 2		
	Session Coordinator: Dr. U K Vates Session Chair: Prof. (Dr.) Kishan Pal Singh Maglayatam University, Aligarh		Session Coordinator: Dr. Sumit Gupta Session Chair: Dr. Ashutosh Mishra G.L. Bajaj Gr. Noida	Session Coordinator: Dr. Sumit Sharma Session Chair: Dr. Anil Kumar DTU, New Delhi		Session Coordinator: Dr. Ravindra Kumar Session Chair: Dr. J.M Giri Lloyd, Gr. Noida
	Venue F2 -Auditorium		Venue F1- MDP Room	Venue E3-LG 15		Venue E3-LG 16
	Paper-ID		Paper-ID	Paper-ID		Paper-ID
	6		76	5		4
	56		11	7		29
	53		25	3		195

	28		161	70		79
	129		93	94		95
	128		130	160		77
3:30 PM-3:45 PM	High Tea					
Invited Talk						
3:45 PM – 4:15 PM	Prof. (Dr.) Amit Gupta Professor, Indian Institute of Technology, Delhi Session Coordinator: Dr. Meeta Sharma Venue: F2- Auditorium, 30 Minutes			Dr. Mukesh Ranjan Institute for Plasma Research, Gandhinagar, Gujarat, India Session Coordinator: Dr. Sumit Sharma Venue F1- MDP Room 30 Minutes		
4:15 PM- 4:45 PM	Speaker: Dr. Vijay Mudgal Senior Consultant, Fichtner Consulting Engineers (India) Pvt. Ltd. Session Coordinator: Dr. Sumit Gupta Venue: F2- Auditorium, 30 Minutes			Speaker: Prof. (Dr.) Sumon Saha Professor, BUET, Dhaka Session Coordinator: Dr. Sumit Sharma Venue: F1-MDP Room, 30 Minutes		
4:45 PM- 6:30 PM (Paper Presentation)	Paper Presentation Session-3			Paper Presentation Session-4		
	Session Coordinator: Dr. Naveen Anand Daniel Session Chair: Prof. (Dr.) Dr Rahul O. Vaishya PEC, Chandigarh	Session Coordinator: Dr. Ravinder Kumar Session Chair: Dr. Virender Kumar MMMUT Gorakhpur Dr. Ashutosh Mishra GLBITM Greater Noida	Session Coordinator: Dr. Sumit Gupta Session Chair: Dr. U C Srivastava AIAS Noida	Session Coordinator: Dr. Rajeev Kumar Singh Session Chair: Dr. Shivam Mishra GLBITM Greater Noida Manish Kumar Chauhan AIDT, Noida	Session Coordinator: Dr. Sumit Sharma Session Chair: Dr. Eswara Krishna Mussada AIT Noida	Session Coordinator: Dr. Gaurav Gupta Session Chair: Dr. Anurag Gupta KIET, Gaziabad
	Venue F2 -Auditorium	Venue F1- MDP Room	Venue E3-LG15	Venue E3-LG16	Venue E3-LG17	Venue E3-LG18
	Paper-ID	Paper-ID	Paper-ID	Paper-ID	Paper-ID	Paper-ID
	197	207	17	15	112	35
	163	85	164	80	59	111
	97	166	36	193	138	140
	168	194	23	201	88	47
	104	46	183	113	136	37
	102	162	191	167	41	66
	210	203	44	103	65	22
	45	131	42	16	145	150
	31	18	33	132	200	12
	188	43	123	115	87	64
181	122	21	81	135	209	
Dinner (07:30 PM - 09:30 PM) Wall Street						

8 th AUGUST-2025 (Day 2)						
Invited Talk						
10:00 AM-10:30 AM	Prof. (Dr.) Jishnu Bhattacharya Indian Institute of Technology, Kanpur Session Coordinator: Dr. Gaurav Gupta F2- Auditorium, 30 Minutes			Prof. (Dr.) Pranab K. Mondal Professor, Indian Institute of Technology, Guwahati Session Coordinator: Dr. Ravinder Kumar Venue F1- MDP Room, 30 Minutes		
10:30 AM-11:00 AM	Prof. (Dr). J Ram Kumar Professor, Indian Institute of Technology, Kanpur Session Coordinator: Dr. Gaurav Gupta Venue F2- Auditorium, 30 Minutes			Dr. V. Sajith National Institute of Technology, Calicut Session Chair: Dr. Gulshan Kumar, IIT- Kanpur Session Coordinator: Dr. Ravinder Kumar Venue F1- MDP Room, 30 Minutes		
11:00AM-11:15AM	HIGH TEA					
11:15 AM- 11:45 AM	Special Talk: Dr. Prateek Kishore, Distinguished Scientist and Director General, Armament & Combat Engineering Systems, DRDO Session Coordinator: Prof. (Dr.) R K Tyagi, Amity University Uttar Pradesh Noida, India					
	Paper Presentation Session-5		Paper Presentation Session-6		Paper Presentation Session-7	
11:45 AM 12:45 PM (Paper Presentation)	Session Coordinator: Dr. Sumit Sharma Session Chair: Dr. Raveesh Kumar LASTEC, DRDO, Delhi	Session Coordinator: Dr. Naveen Daniel Session Chair: Dr. Mohd. Danish Bennet University, Greater Noida	Session Coordinator: Dr. Gaurav Gupta Session Chair: Dr. B. N. Agarwal MRIIRS, Faridabad	Session Coordinator: Dr. Ravinder Kumar Session Chair: Dr. Chayan Das SGT Gurugram	Session Coordinator: Dr. Rajeew Kumar Singh Session Chair: Dr. Nikhil Dev, YMCA Faridabad, Dr. Sofia Singh, ASET, Noida	Session Coordinator: Dr. Maninder Singh Session Chair: Dr. Ashok Kumar Singh GCET Greater Noida Dr. Chingakham Chinglenthoba Chitkara Punjab
	Venue F2 -Auditorium	Venue F1- MDP Room	Venue E3-LG15	Venue E3-LG16	Venue E3-LG17	Venue E3-LG18
	Paper-ID	Paper-ID	Paper-ID	Paper-ID	Paper-ID	Paper-ID
	116	126	40	106	13	73
	105	152	89	127	7	151
	170	19	68	171	51	165
	159	39	110	20	185	14
	69	107	206	205	38	125
	-	-	-	-	83	148
-	-	-	-	30	198	
-	-	-	-	172	184	
-	-	-	-	124	48	
-	-	-	-	203	-	
12:45 PM-1:15 PM	Special Talk: Dr. Mohammad Rihan, Director General, NISE, Gurgaon Session chair: Prof. P.M. Tiwari, Amity University Uttar Pradesh Noida					
1:15 PM-2:00 PM	VALEDICTORY FUNCTION Venue: F2 Auditorium					
2:00 PM Onwards	Photo Session and Lunch (Wall Street)					