

FLUTE - 2021: International Symposium on Fluids and Thermal Engineering

PROGRAM SCHEDULE (IN IST)

22nd July 2021 (Thursday) 09:00 AM - 06:00 PM

Time Stamp	Activities		Resource Person
Joining Link: https://amityuni.live/89956340543			
8:30 AM - 9:20 AM	Inaugural Session	Welcome and Opening Remarks	Dr. Rakesh Kumar - Organizing Secretary FLUTE 2021
		Introduction to FLUTE - 2021	Dr. Basant Singh Sikarwar (HOD, Mechanical Engineering)
		Address by Joint HOI, ASET	Dr. Abhay Bansal / Dr. Manoj Kumar Pandey
		Address by Vice Chancellor, AUUP	Hon'ble VC, Prof. (Dr.) Balvinder Shukla, AUUP
		Blessings of Chancellor Sir	Dr. Atul Chauhan
		Blessings of Founder President Sir	Dr. Ashok Chauhan
09:20 AM - 10:00 AM	Plenary Talk: Thermal Management of Electronics: Moving Ahead Beyond Conventional Heat Pipes		Dr. Sameer Khandekar, IIT Kanpur
10:00 AM - 10:40 AM	Plenary Talk: Recent Progress in the High Heat Flux Electronic Cooling		Dr. Chaobin DANG, University of Fukui, Japan; The University of Tokyo, Japan
10:40 AM - 12:00	Panel Discussion	Moderator & Session Chair	Dr. Anandaroop Bhattacharya, IIT Kharagpur
			Dr. Sanjay Vijayaraghavan (GE Global Research Centre)
			Dr. Suman Basu (Mahindra Electric Mobility)
			Mr. Krishnakumar Varadarajan (Intel)
		Dr. Gaurav Singhal (LASTEC - DRDO)	
12:00 PM - 12:10 PM	Break		

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	TS-1	TS-2	TS-3	TS-4	TS-5	TS-6	TS-7	TS-8	TS-9	TS-10	
Joining Links:	https://amityuni.live/89956340543	https://amityuni.live/1849629137	https://amityuni.live/1849791879	https://amityuni.live/1849869060	https://amityuni.live/1848221877	https://amityuni.live/1844608200	https://amityuni.live/1848397746	https://amityuni.live/1840247128	https://amityuni.live/1844486898	https://amityuni.live/1847951653	
Coordinators:	Dr. RK Tyagi & His Team	Dr. Gopal / Dr. Manish & His Team	Dr. Meeta Sharma & Her Team	Ms. Punj Lata Singh & Her Team	Dr. UK Vates & His Team	Dr. Ravinder Kumar & His Team	Dr. Priyank & His Team	Dr. Rajeev Kumar & His Team	Dr. Ravindra Kannojiya & His Team	Dr. Niraj Kumar & His Team	
Session Chairs:		Dr. Rajesh Kumar Shukla	Dr. Tushar Chaudhary	Dr. Sachin Gautam	Dr. Rajneesh KAUSHAL	Dr Gaurav Dwivedi	Dr Pooja Sharma	Dr. Priya Ranjan	Dr Gaurav Dwivedi	Dr. Puneet Verma	
Keynote Talks	DR. RISHI RAJ	DR. BAHNI RAY	DR. SIDDHARTH PARALIKAR	DR. HEMANTKU MAR B. MEHTA	DR. GHANSHYAM SINGH	DR. ELIZAVETA GATAPOVA	DR. MANOJ MOHARANA	DR. PARMOD KUMAR	DR. BALKRISHNA MEHTA	DR. MADHUSREE KOLE	
	Keynote Talk: Boiling based thermal management strategies for earth and reduced gravity applications	Keynote Talk: Analysis of micro-channel heat exchanger with fractal geometry	Keynote Talk: Heat Pipes and their Industrial Applications	Keynote Talk: Towards the Performance Improvement of MCHS	Keynote Talk: Thermal Management of Electronic Devices using Jet Impingement and Phase Change Materials	Keynote Talk: Microjets cooling for microelectronic devices	Keynote Talk: Conjugate heat transfer in microscale heat transfer devices.	Keynote Talk: Towards understanding the characteristics of film boiling heat transfer over curved surfaces	Keynote Talk: Parametric Study on Porous Plug Height for Pressure Drop and Heat Transfer in Partially Porous Channel	Keynote Talk: Nanofluids: Prospects and Challenges in Thermo-fluid Engineering	
	MR. VIKRAM DADHICH	MR. RAKESH PANDEY	DR. MUKESH RANJAN								
	Keynote Talk: Effective Thermal Management : Trends & Technologies	Keynote Talk: Electronics Cooling - Opportunities and Challenges	Keynote Talk: Thermal Management of Engineering Systems via Spontaneous Drop Motion on Wettability Gradient Surfaces								
Paper IDs											
Paper Presentations	1_81	2_16	3_21	4_29	5_32	6_35	7_40	8_49	9_61	10_63	
	1_77	2_68	3_28	4_31	5_33	6_36	7_45	8_50	9_62	10_65	
	1_110	2_05	3_71	4_73	5_97	6_72	7_73	8_66	9_78	10_79	
	1_125	2_08	3_93	4_94	5_101	6_23	7_87	8_13	9_14	10_47	
					5_103	6_27	7_12	8_91	10_48	10_104	

12:10 PM - 01:50 PM

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02:10 PM - 02:50 PM	Plenary Talk: Growth mechanisms of single vapor bubble and heat transfer from surfaces of varying wettability	Dr. Atul Srivastava, IIT Bombay	
02:50 PM - 03:30 PM	Plenary Talk: EV Motor and Controller Thermal Management	Prof. Kannan Lakshminarayanan, IIT Madras	
03:30 PM - 04:10 PM	Plenary Talk: Loop Heat Pipes for Thermal Management	Dr. Amrit Ambirajan, Professor – Research IISc Bangalore, ISRO (Retd.)	
04:10 PM - 04:50 PM	Plenary Talk: Near Junction Hot Spot Cooling for GaN-Based Device	Dr. Zhixiong (James) Guo, Rutgers University, New Burnswick, USA	
04:50 PM - 05:30 PM	Plenary Talk: Pulsating Heat Pipes and its application for thermal management of battery systems	Dr. Pradip Dutta, Indian Institute of Science, Bangalore	
20-25 Minutes	Valedictory Session	Closing Remarks by HOD	Prof. Basant Singh Sikarwar (HOD, Mechanical Engineering)
		Remarks	Dr. W. Selvamurthy, President - ASTIF & Former Distinguished Scientist and Chief Controller R&D (Life Sciences), DRDO
		Blessings of Chancellor Sir	Dr. Atul Chauhan
		Blessings of Founder President Sir	Dr. Ashok Chauhan
		Vote of Thanks	Dr. RK Tyagi, Dy - HOD (ME) - ASET Amity University Noida