5th Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2026)		
9th September 2026 (Day 1)		
8:30 AM- 9:30 AM	**Registration**	
9:30 AM- 11:15 AM	**INAUGURAL SESSION** **(Venue: E2- Auditorium)**	
11:15 AM- 11:30 AM	**Networking High Tea (F Block)**	
	Plenary Talk	
11:30 AM- 12:05 PM	**Prof. Jaesun Lee** **Changwon National University, South Korea** **(Venue F2 Seminar Hall)**	
	Special Talk	
12:05 PM-12:45 PM	**Prof. K. Muralidhar** **IIT- Kanpur, India** **(Venue F2 Seminar Hall)**	
	Plenary Talks	
12:45 PM-1:15 PM	**Dr. Amit Kumar Yadav** **Head, Igniter and Combustion Division, LPSC Trivandrum, ISRO** **(Venue F2-Seminar Hall)**	**Prof. (Dr.) Márton TAKÁCS** **Budapest University of Technology and Economics, Budapest, Hungary** **(Venue F1- MDP Hall)**
1:15 PM-1:55 PM	**LUNCH (F-1 Block)**	
Industry-Academia Session on **Reimagining Mechanical Engineering: Industry-Academia Collaboration for a Smart, Sustainable and Future-Ready India** **(Venue F2-Seminar Hall)** **Coordinator: Mr Pranay Garg, Advance Valve, Noida**		
1:55 PM - 2:55 PM	**Industry** **1. Mr Pranay Garg, Advance Valve, Noida** **2. Mr. Vivek Pathak, Founder & CEO, ONE POWER USA** **3. Dr. Rohit Goyal, Senior Mechanical Engineer, Fluence BESS India Pvt. Ltd** **4. Dr. Vijay Mudgal, Fichtner Consulting Engineers India Pvt Ltd**	**Academia** **1. Prof. Satinder Paul Singh, IIT- Delhi, India** **2. Prof Akshay Dvivedi, IIT- Roorkee, India** **3. Prof. Sachin S. Gautam, IIT- Guwahati, India** **4. Dr Gaurav Bhutani, IIT- Mandi, India**

Special Talk								
3:00 PM - 3:35 PM	**Prof Akshay Dvivedi** **IIT- Roorkee, India** **(Venue F2-Seminar Hall)**							
3:35 PM - 4:00 PM	**High Tea**							
Keynote Talks								
4:00 PM- 4:30 PM	**Key talk 1**		**Key talk 2**		**Key talk 3**			
	Dr. Gaurav Bhutani **IIT- Mandi India** **Venue:** F2- Seminar Hall		**Prof. (Dr.) Ashish Bhateja** **IIT- Goa, India** **Venue:** F1- MDP Hall		**Dr. Jacso Adam** **Budapest University of Technology and Economics, Hungary** **Venue:** F2 104			
4:30 PM- 6:30 PM (Conference Paper Presentation)	**Paper Presentation Session-1** **Venue: F2 104**		**Paper Presentation Session-2** **Venue:** F1- MDP Hall		**Paper Presentation Session-3** **Venue:** E1-114		**Paper Presentation Session -4** **Venue:** F2- Seminar Hall	
	Session Chair: **Dr. Tushar Chaudhary,** PDPM IIIT- Jabalpur		**Session Chair:** **Dr Ranjit Kumar,** Shiv Nadar University		**Session Chair:** **Dr. Pushpendra K S Rathore** Manipal University, Jaipur		**Session Chair:** **Dr. Anil Kumar**, DTU- Delhi **Dr Shyamal Samant**	
	Coordinator: Dr. Sumit Sharma		**Coordinator: Prof. Meeta Sharma**		**Coordinator: Prof. Rajeev Kumar Singh**		**Coordinator: Dr. Umesh K Vates**	
	Venue: F2 104		**(Venue:** F2- Seminar Hall**)**		**Venue:** E1-114		**(Venue:** F1- MDP Hall**)**	
	Paper-ID		**Paper-ID**		**Paper-ID**		**Paper-ID**	
	30	32	08	31	10	16	28	03
	29	34	35	37	40	43	44	45
	46	50	52	56	59	64	64	67
	328	391	401	405	393	396	415	416
Networking Dinner - (7:00 PM - 09:30 PM)								

10th September 2026 (Day 2)

Plenary Talks				
09:30 AM- 10:05 AM	**Mr. N.K. Gupta** **LPSC-ISRO Trivandrum** **(Venue:** F2- Seminar Hall**)**			
10:05 AM- 10:40 AM	**Prof. Atul A. Sagade** **University of Tarapacá, Arica, Chile** **(Venue:** F3- MDP Hall**)**	**Dr. Pradeep Kumar** **IIT- Mandi, India** **(Venue:** F2- Seminar Hall**)**	**Dr Madhusudan Pal** **DIPAS, DRDO, Delhi** **(Venue:** F1-MDP**)**	
10:40 AM- 11:15 AM	**Dr Dineshsingh Thakur** **DIAT (DU), DRDO** **(Venue:** F3- MDP Hall**)**	**Prof. (Dr.) Sachin Singh Gautam** **IIT-Guwahati, India** **(Venue:** F2-Seminar Hall**)**	**Dr Bhanu Pratap Singh** **CSIR- New Delhi** **(Venue:** F1-MDP**)**	
11:15 AM- 12:00 AM	**HIGH TEA**			
12:00 PM- 12:30 PM	**Shri. Suresh Babu Muttana** **Scientist E** **EV Program Climate, Energy and Sustainable Technology (CEST) Division** **(Venue:** F2-Seminar Hall**)**		**Dr. Ajai K. Sahani** **IRDE, DRDO** **(Venue:** F1-MDP**)**	
Keynote Talks				
12:30 PM- 1:00 PM	**Dr Manish Punetha** **IIT- Bhubaneswar**	**Mr Ramesha B S** **Siemens India Pvt Ltd.**	**Dr Poonam Sundriyal** **IIT - Kharagpur**	
	(Venue: F3- MDP Hall**)**	**(**Venue: F2- Seminar Hall**)**	**(**Venue: F1- MDP Hall**)**	
1:00 PM-2:00 PM (Conference Paper presentation)	**Paper Presentation Session-9**	**Paper Presentation Session-10**	**Paper Presentation Session-11**	**Paper Presentation Session-12**
	Session Chair: **Dr Himanshu Payal**, Sharda University, Gr. Noida	**Session Chair:** **Dr U.C. Srivastava**, AIAS Noida	**Session Chair:** **Prof. (Dr.) Kishan Pal Singh**, Mangalayatan University, Aligarh	**Session Chair:** **Dr Mohammad Danish**, Bennett University, Greater Noida
	Coordinator: Prof. (Dr.) R K Tyagi	**Coordinator: Prof. (Dr.) Meeta Sharma**	**Coordinator: Dr. Sumit Sharma**	**Coordinator: Dr. Umesh Vats**
	Venue: F2 104	**(Venue:** F2- Seminar Hall**)**	**(Venue:** F1- MDP Hall**)**	**Venue:** E1-114

	Paper-ID	**Paper-ID**	**Paper-ID**	**Paper-ID**
	127	139	130	140
	133	149	136	150
	137	151	138	152
	153	167	156	168
	157	169	158	174
	15	206	424	427
2:00 PM-2:50 PM	**LUNCH (F-1 Block)**			
3:00 PM- 4:00 PM (Conference Paper presentation)	**Paper Presentation Session-13**	**Paper Presentation Session-14**	**Paper Presentation Session-15**	**Paper Presentation Session-16**
	Session Chairs: **Dr. Shivam Mishra**, GL Bajaj Institute of Technology and Management, Greater Noida, India	**Session Chairs:** **Dr Prem Kumar Chaurasiya**, National Institute of Technology Raipur **Dr Neelam Khandelwal**, JSS Noida	**Session Chairs:** **Dr Awdhesh Poddar**, Dr Akhilesh Das Gupta Institute of Professional Studies, New Delhi	**Session Chairs:** **Dr. Jaspreet Hira** MMU Mullana Dr Deepali Atheaya, Bennet University Greater Noida
	Coordinator: Prof. (Dr.) R K Tyagi	**Coordinator: Prof. (Dr.) Meeta Sharma**	**Coordinator: Dr. Sumit Sharma**	**Coordinator: Dr. Naveen Daniel**
	Venue: F2 104	**(Venue:** F2- Seminar Hall**)**	**(Venue:** F1- MDP Hall**)**	**Venue:** E1-114
	Paper-ID	**Paper-ID**	**Paper-ID**	**Paper-ID**
	159	179	180	160
	185	183	187	221
	425	212	189	213
	121	120	77	115
	107	266	54	71
	110	101	69	181
	51	189	92	102
4:00 PM- 4:30 PM	**HIGH TEA**			
4:30-5:30 PM (Conference Paper presentation)	**Conference Paper presentation Session-17**	**Conference Paper presentation Session-18**	**Conference Paper presentation Session-19**	**Conference Paper presentation Session-20**

	Session Chair: **Dr Jimmy Mehta,** Manav Rachna University, Faridabad **Dr. Mohit Sharma** MMU University, Mullana	**Session Chair:** **Dr Deepak Tiwari**, School of Engineering and Technology, VIPS-TC, Pitampura, Delhi.	**Session Chair:** **Mr Manoj Sharma**, ME Department, IIT-Kanpur **Dr. Ashutosh Damija,** MMU University, Mullana	**Session Chair:** **Dr Richa Sharma**, ABS- Noida **Dr Harender Sinhmar**, Shiv Nadar University, Greater Noida
	Coordinator: Prof. (Dr.) R K Tyagi	**Coordinator: Dr. Umesh Vates**	**Coordinator: Dr. Mahendra Verma**	**Coordinator: Dr. Naveen Daniel**
	Venue: F2 104	**(Venue:** F2- Seminar Hall**)**	**(Venue:** F1- MDP Hall**)**	**Venue:** E1-114
	Paper-ID	**Paper-ID**	**Paper-ID**	**Paper-ID**
	417	214	215	193
	217	194	195	197
	224	202	227	235
	261	236	238	265
	211	109	95	116
	61	47	55	48
	114	57	60	395
6:00 PM	**CULTURAL EVENT (E2- Auditorium)**			
7:00 PM	**Conference Dinner (Wall Street F2 Block)**			

11th September-2026 (Day 3)

Special Talk				
9:45 AM – 10:30 AM	**Prof. J Ram Kumar** **Professor, IIT- Kanpur** **(Venue:** F2- Seminar Hall)			
10:35 AM – 11:20 AM	**Keynote Talks**			
	Dr. Sung-Min Yoon **School of Mechanical Engineering, Changwon National University, South Korea** **(Venue:** F1- MDP Hall)		**Dr. Bahni Ray** **IIT Delhi, India** **(Venue:** F2- Seminar Hall)	
11:25 AM – 12:10 PM	**Dr. Vijay Mudgal** **Fichtner Consulting Engineers (India) Pvt. Ltd., Noida** **(Venue:** F2- Seminar Hall)		**Dr. Rohit Goyal** **Fluence BESS India Pvt. Ltd** **(Venue:** F1- MDP Hall)	
12:15 PM- 1:00 PM (Conference Paper Presentation)	**Conference Paper Presentation Session-21**	**Conference Paper Presentation Session-22**	**Conference Paper Presentation Session-23**	**Conference Paper Presentation Session-24**
	Session Chair: **Dr Ambrish Maurya**, NIT Patna	**Session Chairs:** **Dr. Virendra Kumar** MMMUT Gorakhpur	**Session Chair:** **Dr Ashok Kumar Singh**, GCET, Greater Noida **Dr. Anant Prakash Agrawal**, NIET, Gr. Noida	**Session Chair:** **Dr. Ashwani Kumar** Technical Education Department, Uttar Pradesh, Kanpur **Dr. Milan Singh** Metro University, Noida
	Coordinator: Dr. Umesh Vats	**Coordinator: Prof. (Dr.) Meeta Sharma**	**Coordinator: Prof. (Dr.) Rajeev Kumar Singh**	**Coordinator: Dr Mayank Chhabra**
	Venue: F2 104	**(Venue:** F2- Seminar Hall)	**Venue:** E1-114	**(Venue:** F1- MDP Hall)
	Paper-ID	**Paper-ID**	**Paper-ID**	**Paper-ID**
	239, 266	247, 269	249, 276	250, 387
	309, 288	310, 301	311, 302	312, 306
	319, 346	374, 347	350, 394	351, 354
1:00 PM- 1:40 PM	**Lunch Break**			
1:45 PM- 2:40 PM (Conference Paper presentation)	**Conference Paper Presentation Session-25**	**Conference Paper Presentation Session-26**	**Conference Paper Presentation Session-27**	**Conference Paper Presentation Session-28**

	Session Chair: **Dr. Harish Kumar** NIT Delhi, **Dr. Ambrish Maurya**, NIT Patna		**Session Chairs:** **Dr. Anurag Gupta** KIET Gaziabad		**Session Chair:** **Dr. Ashok Kumar Singh**, GCET, Greater Noida **Dr. Anant Prakash Agrawal**, NIET, Gr. Noida		**Session Chair:** **Dr. Ashwani Kumar** Technical Education Department, Uttar Pradesh, Kanpur **Dr. Milan Singh** Metro University, Noida	
	Coordinator: Dr. Umesh Vats		**Coordinator: Prof. (Dr.) Meeta Sharma**		**Coordinator: Prof. (Dr.) Rajeev Kumar Singh**		**Coordinator: Dr. Mayank Chhabra**	
	Venue: F2 104		**(Venue:** F2- Seminar Hall**)**		**Venue:** E1-114		**(Venue:** F1- MDP Hall**)**	
	Paper-ID	**Paper-ID**	**Paper-ID**		**Paper-ID**		**Paper-ID**	
	395	428	348	371	407	404	389	380
	63	379	390	406	200	201	419	399
	418	409	286	411	188	192	410	123
	248	429	233	432	66			
2:45 PM-3:15 PM	**VALEDICTORY FUNCTION** **Venue: F2 Seminar Hall**							
3:15 PM- 3:30 PM	**Photo Session**							
3:30 PM	**HIGH- TEA**							