



13th INTERNATIONAL CONFERENCE ON Materials Processing and Characterization

@ GRIET, Hyderabad 22nd-24th April 2022



Program Schedule

Meeting link for Inauguration, Keynotes and Valedictory

<https://us06web.zoom.us/j/8019548364?pwd=QjBHb1J2OU90TXZQTGdidi9od1BZUT09>

Meeting ID: 801 954 8364

Pwd: 1234

Contact No. for Help Desk

Mr. Mahesh : 99598 70257

Dr. Balaji : 95056 13159

Timings for Help Desk

22 April, 2022 08:00 a.m to 01:00 p.m

23 April, 2022 01:00 p.m to 05:00 p.m

24 April, 2022 01:00 p.m to 04:00 p.m

Day 1 April 22, 2022

Inaugural Function

08:20a.m - 09:45a.m

Programme	Time
<i>Introducing guests, Editors and Conveners</i>	8:20 a.m
<i>Address by Principal GRIET, Prof J Praveen</i>	8:30 a.m
<i>Address by Dr. Chetan Nikhare, Pennsylvania State University, USA (Editor and Convener)</i>	8:35 a.m
<i>Address by Dr. Julfikar, Manchester Metropolitan University, UK (Editor and Convener)</i>	8:45 a.m
<i>Address by Dr. Asma Perveen, Nazarbayev University, Kazakhstan (Convener)</i>	8:55 a.m
<i>Address by Prof Rajesh Purohit MANIT Bhopal (Convener)</i>	9:05 a.m
<i>Address by Prof Abid, AMU Aligarh</i>	9:15 a.m
<i>Address by Prof Swadesh Kumar Singh, GRIET Hyderabad</i>	9:25 a.m
<i>Vote of thanks by Dr. Tanya, HOD GRIET Hyderabad</i>	9:35 a.m

Day 1
April 22, 2022

<p>KeyNote Address-1 Speaker: Prof. Sachin D. Kore Department of Mechanical Engineering at IIT Goa Topic: Electromagnetic Forming of Sheets and Tubes Session Moderator: Dr. Manoj Gupta, Scientist, IPR Gandhinagar</p>	10:00a.m – 11:00a.m
<p>KeyNoteAddress-2 Speaker: Dr. Arnab Chanda Center for Biomedical Engineering, IIT Delhi. Topic: Development of Artificial Tissue Simulants for Biomechanical Testing Session Moderator: Dr. Manoj Gupta, Scientist, IPR Gandhinagar</p>	11:00a.m – 12:00p.m
Lunch Break	12:30p.m – 01:30p.m
ONLINE SESSION-1	01:30p.m – 04:00p.m
OFFLINE SESSION-1	01:30p.m – 04:00p.m
ONLINE SESSION-2	05:00p.m – 07:30p.m

Day 2
April 23, 2022

Programme	Time
<p>KeyNote Address-4 Speaker: Dr. Anupam Agrawal Department of Mechanical Engineering at IIT Ropar Topic: Advancement in Sheet Metal Forming Processes for Customized Solutions Session Moderator: Dr. Manish Vishwakarma, Assistant Professor, MANIT Bhopal</p>	09:00a.m – 10:00a.m
<p>KeyNote Address-3 Speaker: Dr. Bibhudutta Rout Department of Physics at University of North Texas, Denton, USA Topic: Materials modification and Analysis using Ion Beams Session Moderator: Dr. Manish Vishwakarma, Assistant Professor, MANIT Bhopal</p>	10:00a.m – 11:00a.m
<p>KeyNote Address-5 Speaker: Dr. Tapati Sarkar Department of Materials Science and Engineering, Uppsala University, Sweden Topic: Designing nanocomposites of functional oxides Session Moderator: Prof .Rajesh Purohit, Professor, MANIT Bhopal</p>	11:00a.m – 12:00p.m
<p>KeyNoteAddress-6 Speaker: Prof. Alope Kanjilal Professor, School of Natural Sciences, Shiv Nadar University</p>	12:00p.m – 01:00p.m

Topic: Temperature Driven dual band formation in TiO₂ nanotubes for improving photocatalytic behavior Session Moderator: Prof .Rajesh Purohit, Professor, MANIT Bhopal	
Lunch Break	01:00p.m – 02:00p.m
ONLINE SESSION-3	02:00p.m – 04:30p.m
OFFLINE SESSION-2	02:00p.m – 04:30p.m
ONLINE SESSION-4	05:00p.m – 07:30p.m

Day 3
April 24, 2022

Programme	Time
KeyNoteAddress-7 Speaker: Dr. Prashant R. Waghmare Department of Mechanical Engineering, University of Alberta Topic: Intricacies of surface tension/energy measurements: academic & industrial perspectives Session Moderator: Dr. R S Rana, Associate Professor, MANIT, Bhopal	09:30a.m – 10:30a.m
KeyNote Address-8 Speaker: PROF ESTHER T. AKINLABI Department of Mechanical Engineering Science, Director of the PAULESI, Ibadan, Nigeria Topic: Trends and advances in Additive Manufacturing Session Moderator: Dr. R S Rana, Associate Professor, MANIT, Bhopal	10:30a.m – 11:30a.m
KeyNote Address-9 Speaker: Dr. Ved Prakash Stamping Feasibility Analysis Engineer at Ford Motor Company Topic: Numerical and Experimental Investigations in Sheet Metal Forming Session Moderator: Dr. Nitin Ramesh Kotkunde, Assistant Professor, BITS, Hyderabad	11:30a.m – 12:30p.m
Lunch Break	12:30p.m – 01:30p.m
ONLINE SESSION-5	01:30p.m. – 04:00p.m

Day 3
April 24, 2022

Valedictory Function

05:00p.m - 05:30p.m

Programme	Time
Introducing guest	5:00 p.m
Address by Dr. Jandhyala N Murthy, Director, GRIET Hyderabad	5:10 p.m
Address by Prof Anand Pare, Professor, IIT Indore Announcing Best paper awards in 6 categories	5:20 p.m

Session Schedule

ONLINE SESSION-1

Date: 22 April 2022

Time: 01:30p.m–04:00p.m

Session No.	Zoom ID	Session-chair	Topic	S. No form the Final Paper List
1	Meeting ID: 852 7747 4965 Pwd: 597706 (BP)	Chair 1: Dr.Chethan S, ATME College of Engineering, Mysuru. Chair 2: Dr A.Anitha Lakshmi, GRIET, Hyderabad	AMPT session	2, 3, 4,5,6,7,8,9,10,11,12, 13,14,15
2	Meeting ID: 632 998 1700 Pwd: 1234 (MKG)	Chair 1: Dr. Pankaj Sharma, Rajasthan Technical University Kota Rajasthan. Chair 2: Dr. Swadesh Kumar Singh, GRIET, Hyderabad.	AMPT session	16,17,18,19,20,21,22, 23,24,25,26,27,28,29, 30
3	Meeting ID: 801 954 8364 Pwd: 1234 (SKS/NS)	Chair 1: Dr. Vishwas Mahesh, Siddaganga Institute of Technology. Chair 2: Dr Das, KIIT DEEMED to be university.	iMeche Part-E session	1,2,3,4,5,6,7,8,9,10, 11,12,13,14,15
4	Meeting ID: 4604151298 Pwd: 1234 (KKS)	Chair 1: Eshan Sainath Agrawal, Assistant professor. Chair 2: Dr. Shivraj Narayan Yeole, VNR Vignana Jyothi Institute of Engineering and Technology Hyderabad.	iMeche Part-E & IJEMS session	16,17,18,19,20 & 1,2,3,4,5,6,7,8,9,10
5	Meeting ID: 755 137 6275 Pwd: 123456 (RS)	Chair 1: Dr. U.S.Jyothi, GRIET, Hyderabad. Chair 2: Dr. Tanya B, GRIET, Hyderabad.	IJEMS & MATPR session	11,12,13,14,15,16,17, 18,19,20 22,73,124,173,184,187, 9, 44,51,55, 145

ONLINE SESSION-2

Date: 22 April 2022

Time: 05:00p.m–07:30p.m

Session No.	Zoom ID	Session chair	Topic	S. No form the Final Paper List
6	Meeting ID: 852 7747 4965 Pwd: 597706 (BP)	Chair 1: Dr. Mohammad Asjad, Jamia Millia Islamia. Chair 2: Dr. Atul Kumar, NIT KKR.	AIP session	33,39,42,44,46,48,49,50,51,52, 53,54,55, 56,57,69,71,129, 139,140
7	Meeting ID: 632 998 1700 Pwd: 1234 (MKG)	Chair 1: Dr.S.Dhanabalan, M.Kumarasamy College of Engineering, Karur. Chair 2: Dr. Amlana Panda, KIIT Deemed to be University, Bhubaneswar.	AIP session	36,47, 59,61,63,73,124,128, 131,132,133,134,135, 137,138,,141,142
8	Meeting ID: 801 954 8364 Pwd: 1234 (SKS/NS)	Chair 1: Prof Saleem Anwar Khan, ZHCET, Aligarh Muslim University, Aligarh. Chair 2: Dr. N. Sateesh, Professor (ME), GRIET, Hyderabad.	MATPR session	1,2,3,4,5,6,8,10,11, 12,13,14,15,16
9	Meeting ID: 460 415 1298 Pwd: 1234 (KKS)	Chair 1: Mr. Afsar Husain, Community College Aligarh Muslim University. Chair 2: Dr. Kuldeep K. Saxena, GLA University, Mathura.	MATPR session	17,18,19, 20, 21,23,24,25,26,27,28, 29,30,31,32,33
10	Meeting ID: 755 1376275 Pwd: 123456 (RS)	Chair 1: Dr. Tarang R. Shinde, Associate Professor in Mechanical Engineering. Chair 2: Dr. Ram Subbiah, GRIET, Hyderabad.	MATPR session	34,35,36,37,38,39,40, 41,42,43,46,47, 48,49

ONLINE SESSION-3

Date: 23 April 2022

Time: 02:00p.m – 04:30p.m

Session No.	Zoom ID	Session chair	Topic	S. No form the Final Paper List
11	Meeting ID: 852 7747 4965 Pwd: 597706 (BP)	Chair 1: Mohammad Mohsin Khan, AMU, Aligarh. Chair 2: Prof. Abid Ali Khan, Aligarh Muslim University.	AMPT & MATPR session	1, 50,52,53,54,56,57,58, 59,60,61,62,63,64
12	Meeting ID: 632 998 1700 Pwd: 1234 (MKG)	Chair 1: Atishey Mittal, NIT kurukshetra. Chair 2: Dr. Mohd Mukhtar Alam, Vivekananda Global University, Jaipur.	MATPR session	65,66, 67,68,69,70,71,72,74, 75,76,77,78,79,80,81
13	Meeting ID: 801 954 8364 Pwd: 1234 (SKS/NS)	Chair 1: Dr. Md Israr Eqbal, Aligarh Muslim University, Aligarh. Chair 2: Chandrakant Chaturvedi, Government polytechnic uttawar.	MATPR session	82,83,84,85,86,87,88, 89,90,91,92,93,94,95, 96,97
14	Meeting ID: 4604151298 Pwd: 1234 (KKS)	Chair 1: MIRZA SHARIQ BEG, Assistant Professor. Chair 2: Dr. Afzal Husain, Sultan Qaboos University.	MATPR session	98,99,100,101,102, 103,104,105,106,107, 108,109,110,111,112, 113.
15	Meeting ID: 755 137 6275 Pwd: 123456 (RS)	Chair 1: Dr. Mayur A. Makhesana, Institute of Technology, Nirma University. Chair 2: Ayna Zahoor, NIT Srinagar.	MATPR session	114,115,116,117,118, 119,120,121,122,123, 125,126,127,128,129, 130.

ONLINE SESSION-4

Date: 23 April 2022

Time: 05:00p.m– 07:30p.m

Session No.	Zoom ID	Session chair	Topic	S. No form the Final Paper List
16	Meeting ID: 852 7747 4965 Pwd: 597706 (BP)	Chair 1: Virang Shukla, Sarvepalli Radhakrishnan University. Chair 2: Dr Amit Sharma, Jaypee University of Engineering and Technology, Guna (MP).	MATPR session	131,132,133,134,135,136,137,138,139,140,141,142,143,144,146.
17	Meeting ID: 632 998 1700 Pwd: 1234 (MKG)	Chair 1: Dr.K.Manikandan Professor, M.A.M college of Engineering, Trichy. Chair 2: Arun Kumar Singh Gangwar, AICTE.	MATPR session	147,148,149,150,151,152,153,154,155,156,,158,159,160,161,162.
18	Meeting ID: 801 954 8364 Pwd: 1234 (SKS/NS)	Chair 1: Dr Kishan Pal Singh, Mangalayatan University Aligarh. Chair 2: Prof. Mohammed Ali, Aligarh Muslim University Aligarh.	MATPR session	163,164,165,166,167,168,169,170,171,172,174,175,176,177,178,179.282
19	Meeting ID: 4604151298 Pwd: 1234 (KKS)	Chair 1: Abdul Faheem, University Polytechnic, Aligarh Muslim University. Chair 2: Dr. Kuldeep Kumar Saxena, GLA University, Mathura.	MATPR session	180,181,182,183,185,186,188,189,190,191,192,193,195,196,197.275,276,277,278,279,280.281
20	Meeting ID: 755 137 6275 Pwd: 123456 (RS)	Chair 1: Dr. M Venkata Ramana, VNR Vignana Jyothi Institute of Engineering and Technology Hyderabad. Chair 2: Dr. Sunil S, Sri Venkateswara College of Engineering.	MATPR session	198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213.272,273,274

ONLINE SESSION-5

Date: 24 April 2022

Time: 01:30p.m– 04:00p.m

Session No.	Zoom ID	Session chair	Topic	S. No form the Final Paper List
21	Meeting ID: 852 7747 4965 Pwd: 597706 (BP)	Chair 1: Dr. Phaneendra Babu Bobba, GRIET, Hyderabad Chair 2: Mulugundam Siva Surya, GITAM University.	MATPR session	157,194,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,256,257,269
22	Meeting ID: 632 998 1700 Pwd: 1234 (MKG)	Chair 1: Dr. Kurra Suresh, BITSPilani, Hyderabad campus Chair 2: Dr. Trupti Ranjan Mahapatra, VSSUT, Burla, Odisha	MATPR session	230,231,232,233,234,235,236,237,238,239,246,248,262,263,267,268,270
23	Meeting ID: 801 954 8364 Pwd: 1234 (SKS/NS)	Chair 1: Dr.Nitin Kotkunde, BITs Pilani, Hyderabad campus Chair 2: Dr.Chethan S, ATME College of Engineering, Mysuru.	MATPR session	240,241,242,243,244,245,247,249,250,251,252,253,254,255,258,259,260,261,264,265,266,271
24	Meeting ID: 4604151298 Pwd: 1234 (KKS)	Chair 1: Dr. Bijay B Nayak, KIIT University, Bhubaneswar Chair 2: Dr. N Rajesh, SV College of Engineering, Tirupati	IJIMeD session	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
25	Meeting ID: 755 137 6275 Pwd: 123456 (RS)	Chair 1: Dr. Akhilendra Singh, Indian Institute of Technology Patna Indian Institute of Technology, Patna. Chair 2: Dr. Rupinder Singh, National Institute of Technical Teachers Training and Research, Chandigarh	IJIMeD session & MATPR session	16,17,18,19,20,21,22,23,24 283,284,285,286,287,288,289

OFFLINE SESSION-1

Date: 22 April 2022

Time: 01:30p.m–04:00p.m

Session No.	Room No	Session chair	Topic	S. No form the Final Paper List
1	4301	Chair 1: Dr. G.Karuna, GRIET, Hyderabad Chair 2: Dr. G Ramesh, GRIET, Hyderabad	AIP session	1,2,3,4,5,6,7,8,9,12,13,14,15,16,17
2	4302	Chair 1: Dr. S. Govinda Rao, GRIET, Hyderabad Chair 2: Dr. K Kavitha, GRIET, Hyderabad	AIP session	18,19,20,22,23,24,25,26,27,28,29,30,31,32,34
3	4304	Chair 1: Dr. K. Prasanna Lakshmi, GRIET, Hyderabad Chair 2: Dr. Y.Srilalitha, GRIET, Hyderabad	AIP session	35,37,38,40,41,43,45,60,62,64,65,66,67,68,70
4	4317	Chair 1: Dr. N.V.Ganapathi Raju, GRIET, Hyderabad Chair 2: Dr. C.Lavanya, GRIET, Hyderabad	AIP session	72,74,75,76,77,78,79,80,82,83,84,85,86,87,88
5	4322	Chair 1: Dr. Y.J. Nagendra Kumar, GRIET, Hyderabad Chair 2: Dr. V.Srinivasa Reddy, GRIET, Hyderabad	AIP session	89,90,91,92,93,94,95,96,97,98,99,100,101,102,103

OFFLINE SESSION-2

Date: 23 April 2022

Time: 02:00p.m–04:30p.m

Session No.	Room No.	Session-chair	Topic	S. No form the Final Paper List
1	4301	Chair 1: Dr. K Madhavi, GRIET, Hyderabad Chair 2: Dr P Chandrasekhar Reddy, GRIET, Hyderabad	AIP session	104,105,106,107,108,109,110,111,112,113,114,115
2	4302	Chair 1: Dr B. Sankara Babu, GRIET, Hyderabad Chair 2: Dr.V. Susmitha, GRIET, Hyderabad	AIP session	116,118,119,120,121,122,123,125,126,127