

The 2nd International Conference on Future Learning Aspects of Mechanical Engineering (FLAME -2020)

Tentative Programme Schedule\* (Time Zone: Indian Standard Time)

5th August-2020 (Wednesday)

URL: <https://amityuni.live/81179118458>

09:00-09:10 AM IST

Registration

09:10-10:10 AM IST

Inaugural Session

10:10-10:55 AM IST

Plenary Talk

Prof. (Dr.) K. Murlidhar, Indian Institutes of Technology Kanpur, India

10:55-11:40 AM IST

Dr. Shashank Chaturvedi, Director, Institute of Plasma Research, Gujarat, India

11:40-12:15 PM IST

Keynote Talk

Prof. (Dr.) Elizaveta Gatapova, Russian Academy of Sciences, Moscow, Russia

12:15-12:50 PM IST

Prof. (Dr.) Bengt Sundén, Lund university, Sweden

12:50-01:20 PM IST

LUNCH BREAK

URL: <https://amityuni.live/88303046353> <https://amityuni.live/85967886710> <https://amityuni.live/82014551119> <https://amityuni.live/84231493113> <https://amityuni.live/84187407439> <https://amityuni.live/88332730508>

Technical Session - 1

Technical Session- 2

Technical Session - 3

Technical Session - 4

Technical Session - 5

Technical Session - 6 (Special Session: New and Renewable Energy Resources: Challenges and Issues)

Coordinator: Dr. RK Tyagi , Mr. Mahendra Kumar Verma, Dr Rohit Sharma, Mr Gaurav Gupta, Dr Vijay Chaudhary, Dr Preeti Joshi, Mr Vipin Kaushik

Coordinator: Dr. BS Sikarwar, Dr Manish Kumar Chauhan, Mr Ravinder Kannojiya, Dr Meeta Sharma, Mr. Krishna Mohan Agarwal, Mrs Khushbu Yadav, Dr Gopal Nandan Mr Sanjeev Kumar Sharma

Coordinator: Dr. Ravinder Kumar, Mr Ritesh Kumar, Dr. K Mathyzhagan, Mr. Sanatan Ratna, Mr. Pritish Shubham, Dr. Rohit Singla, Mr. Naveen Kumar

Coordinator: Dr. BP Sharma, Dr. Umesh Kumar Vates, Dr. G. Srinivasa Rao, Mr. Jeevan Singh Bisht, Mr Mayank Chabra, Mr. Ajay Sharma, Dr. Pallav Gupta, Dr Anoop Kumar Shukla

Coordinator: Dr. Niraj Kumar, Mr. Shubham Sharma, Mr. Prem Narayan Vishwakarma, Mrs. Sheelam Mishra, Dr Rajeev Kumar Singh, Dr. Jaspreet Hira, Mr. Naveen Ananad Daniel

Coordinator: Dr. Rakesh Kumar, Mr. Sumit Sharma, Dr. Rahul Sindhvani, Dr. Sumit Gupta, Mr. Manish Kumar Ojha, Mr. Shyamal Samant, Dr. Priyank Srivastava

Session Chair(s)

Session Chair(s)

Session Chair(s)

Session Chair(s)

Session Chair(s)

Session Chair(s)

Dr. Vikas Rastogi

Dr. Krishna Murari Pandey

Dr. Vimal Kek

Dr. Vasdev Malhotra

Dr. Neeraj Gupta

Dr. Anand Swaroop

Dr. Abid

Dr. Bhupendra Gupta

Dr. Sanjay Kumar Jha

Dr. L. Poovazhagan

Dr. Priya Ranjan

Dr. Desh Bandhu Singh

Paper Id

Paper Id

Paper Id

Paper Id

Paper Id

Paper Id

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232 - Malaysia

MATPR-D-20-01854R1

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MATPR-D-20-01909R1

URL: <https://amityuni.live/81294845496>

3:20-3:55 PM IST

Keynote Talk

Prof. Daniel Attinger, Iowa State University, USA

URL: <https://amityuni.live/88303046353> <https://amityuni.live/85967886710> <https://amityuni.live/82014551119> <https://amityuni.live/84231493113> <https://amityuni.live/84187407439> <https://amityuni.live/88332730508>

Technical Session - 7

Technical Session - 8

Technical Session- 9

Technical Session - 10

Technical Session - 11

Technical Session - 12

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|--|---|--|---|---|---|--|
| <b>Technical Session<br/>7 - 12<br/>(3:55-6:30 PM IST)</b> | Coordinator: Dr. RK Tyagi , Mr. Mahendra Kumar Verma, Dr Rohit Sharma, Mr Gaurav Gupta, Dr Vijay Chaudhary, Dr Preeti Joshi, Mr Vipin Kaushik | Coordinator: Dr. BS Sikarwar, Dr Manish Kumar Chauhan, Mr Ravinder Kannojiya, Dr Meeta Sharma, Mr. Krishna Mohan Agarwal, Mrs Khushbu Yadav, Dr Gopal Nandan Mr Sanjeev Kumar Sharma | Coordinator: Dr. Ravinder Kumar, Mr Ritesh Kumar, Dr. K Mathyzhagan, Mr. Sanatan Ratna, Mr. Pritish Shubham, Dr. Rohit Singla, Mr. Naveen Kumar | Coordinator: Dr. BP Sharma, Dr. Umesh Kumar Vates, Dr. G. Srinivasa Rao, Mr. Jeevan Singh Bisht, Mr Mayank Chabra, Mr. Ajay Sharma, Dr. Pallav Gupta, Dr Anoop Kumar Shukla | Coordinator: Dr. Niraj Kumar, Mr. Shubham Sharma, Mr. Prem Narayan Vishwakarma, Mrs. Sheelam Mishra, Dr Rajeev Kumar Singh, Dr. Jaspreet Hira, Mr. Naveen Ananad Daniel | Coordinator: Dr. Rakesh Kumar, Mr. Sumit Sharma, Dr. Rahul Sindhwani, Dr. Sumit Gupta, Mr. Manish Kumar Ojha, Mr. Shyamal Samant, Dr. Priyank Srivastava |
|  | Session Chair(s)  | Session Chair(s)   | Session Chair(s)  | Session Chair(s)  | Session Chair(s)  | Session Chair(s)   |
|  | Dr. S. J. Pawar   | Dr. Sanjay   | Dr. Mukund Janardhanan  | Dr. Nikhil Sharma   | Dr. Praveen Kumar Bannaravuri   | Dr. Sanjeev Kumar Garg   |
|  |   | Dr. Abhishek Sharma  | Dr. Deepa Gopakumar O.S.  |   |   | Dr. Arvind Jayant  |
|  | <i>Paper_Id</i>   | <i>Paper_Id</i>  | <i>Paper_Id</i>   | <i>Paper_Id</i>   | <i>Paper_Id</i>   | <i>Paper_Id</i>  |
|  | 230   | 233  | 483   | 246   | 248   | MATPR-D-20-01799R1   |
|  | 253   | 234  | 163   | 255   | 251   | MATPR-D-20-01846R1   |
|  | 256   | 236  | 207   | 262   | 259   | MATPR-D-20-01912R1   |
|  | 275   | 237  | 218   | 266   | 270   | MATPR-D-20-01953R1   |
|  | 283   | 238  | 220   | 272   | 293   | MATPR-D-20-02718   |
|  | 314   | 241  | 656 - South Africa  | 295   | 310   | MATPR-D-20-03653R1   |
|  | 322   | 573  | 508   | 307   | 313   | MATPR-D-20-03654R1   |
|  | 326 - Dubai   | 247  | 511   | 319   | 330   | MATPR-D-20-03738R2   |
|  | 333   | 250  | 282   | 323   | 331   | MATPR-D-20-04427R1   |
|  | 350   | 577  | 298   | 349   | 345   | MATPR-D-20-04469R1   |
| 358  | 584   | 197  | 351   | 361   | MATPR-D-20-04689R1  |  |
| 365  | 258   | 557 - Peru   | 356   | 362   | MATPR-D-20-04978R1  |  |
| 284 - South Korea  | 370   | 558 - Peru   | 460   | 318   | 684   |  |
| 285 - South Korea  | 69  | MATPR-D-20-05631R1   | 739   | 443   | 693   |  |

**6th August - 2020 (Thursday)**

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| <b>URL:</b>               | <a href="https://amityuni.live/89362951847">https://amityuni.live/89362951847</a> |  |             |   |  |
| <b>09:00-09:45 AM IST</b> | Plenary Talk  | Prof. (Dr.) Zhixiong (James) Guo, Rutgers University, USA                    |             |   |  |
| <b>09:45-10:30 AM IST</b> |   | Prof. (Dr.) Qiuwang Wang, Xi'an Jiaotong University, China                   |             |   |  |
| <b>URL:</b>               | <a href="https://amityuni.live/88213105584">https://amityuni.live/88213105584</a> |  | <b>URL:</b> | <a href="https://amityuni.live/86309728703">https://amityuni.live/86309728703</a> |  |
| <b>10:30-11:05 AM IST</b> | Keynote Talk  | Prof. (Dr.) Krishna M. Singh, Indian Institutes of Technology Roorkee, India |             | Prof. (Dr.) Rituparna Datta, University of South Alabama, USA                     |  |
| <b>11:05-11:40 AM IST</b> |   | Prof. (Dr.) Nur Islami, University of Riau, Indonesia                        |             | Prof. (Dr.) Chaobin DANG, The University of Tokyo, Japan                          |  |
| <b>11:40-11:55 AM IST</b> | Tea Break   |  |             |   |  |

|                          |   |  |   |   |   |  |
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| <b>URL:</b>              | <a href="https://amityuni.live/88176000398">https://amityuni.live/88176000398</a>   | <a href="https://amityuni.live/89329463405">https://amityuni.live/89329463405</a>  | <a href="https://amityuni.live/84725394212">https://amityuni.live/84725394212</a>   | <a href="https://amityuni.live/84901890485">https://amityuni.live/84901890485</a>   | <a href="https://amityuni.live/89679633757">https://amityuni.live/89679633757</a>   | <a href="https://amityuni.live/85461156414">https://amityuni.live/85461156414</a>  |
|                          | <b>Technical Session - 13</b>   | <b>Technical Session - 14</b>  | <b>Technical Session - 15</b>   | <b>Technical Session - 16</b>   | <b>Technical Session - 17</b>   | <b>Technical Session - 18 (Special Session: Advances on Multi Phase Flow and Heat Transfer: Analytical and Experimental Studies)</b>                     |
|                          | Coordinator: Dr. RK Tyagi , Mr. Mahendra Kumar Verma, Dr Rohit Sharma, Mr Gaurav Gupta, Dr Vijay Chaudhary, Dr Preeti Joshi, Mr Vipin Kaushik | Coordinator: Dr. BS Sikarwar, Dr Manish Kumar Chauhan, Mr Ravinder Kannojiya, Dr Meeta Sharma, Mr. Krishna Mohan Agarwal, Mrs Khushbu Yadav, Dr Gopal Nandan Mr Sanjeev Kumar Sharma | Coordinator: Dr. Ravinder Kumar, Mr Ritesh Kumar, Dr. K Mathyzhagan, Mr. Sanatan Ratna, Mr. Pritish Shubham, Dr. Rohit Singla, Mr. Naveen Kumar | Coordinator: Dr. BP Sharma, Dr. Umesh Kumar Vates, Dr. G. Srinivasa Rao, Mr. Jeevan Singh Bisht, Mr Mayank Chabra, Mr. Ajay Sharma, Dr. Pallav Gupta, Dr Anoop Kumar Shukla | Coordinator: Dr. Niraj Kumar, Mr. Shubham Sharma, Mr. Prem Narayan Vishwakarma, Mrs. Sheelam Mishra, Dr Rajeev Kumar Singh, Dr. Jaspreet Hira, Mr. Naveen Ananad Daniel | Coordinator: Dr. Rakesh Kumar, Mr. Sumit Sharma, Dr. Rahul Sindhwani, Dr. Sumit Gupta, Mr. Manish Kumar Ojha, Mr. Shyamal Samant, Dr. Priyank Srivastava |
|                          | Session Chair(s)  | Session Chair(s)   | Session Chair(s)  | Session Chair(s)  | Session Chair(s)  | Session Chair(s)   |
|                          | Dr. Mitesh B Panchal  | Dr. Anand Swaroop  | Dr. Ravinderjit Singh Walia   | Dr. Devesh Kumar Avasthi  | Dr. Ankit Gupta   | Dr. Ramakant Shrivastava   |
| <b>Technical Session</b> | Dr. Ankit Gupta   | Dr Puneet Verma  | Dr. M. Shilpa   | Dr. Kamal Sharma  |   | Dr. Kunwar Laiq Ahmad Khan   |

| <b>Technical Session<br/>12 - 18<br/>(11:55 - 1:45 PM IST)</b> | <i>Paper_Id</i>   | <i>Paper_Id</i>        | <i>Paper_Id</i> | <i>Paper_Id</i>    | <i>Paper_Id</i> | <i>Paper_Id</i> |
|--|-------------------|------------------------|-----------------|--------------------|-----------------|-----------------|
|  | 373               | 271                    | 300             | 369                | 375             | 95              |
|  | 378               | 597                    | 301             | 372                | 385             | 242             |
|  | 384               | 619                    | 309             | 426                | 394             | 254             |
|  | 387               | 291                    | 315             | 481                | 397             | 279 - China     |
|  | 389               | 296                    | 317             | 484                | 406             | 304             |
|  | 391               | 299                    | 324             | 509                | 423             | 364             |
|  | 399               | 629                    | 327             | 540                | 433             | 380             |
|  | 412               | 311                    | 347             | 563                | 446             | 405             |
|  | 427               | 325                    | 366             | 579                | 448 - Nigeria   | 594             |
|  | 430               | 328                    | 367             | 583                | 461             | 274             |
|  | 436               | 338                    | 376             | 586                | 473             | 530             |
|  | 449               | 343                    | 316 - China     | 249                | 448             | 735             |
|  | 286 - South Korea | 425                    | 392             | 591                | 479             | 738 - Austria   |
|  | 287 - South Korea | 491 - Italy + Ethiopia | 54              | MATPR-D-20-04468R1 | 539             | 398- Tashkent   |

**01:45-02:15 PM IST** LUNCH BREAK

|             |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|
| <b>URL:</b> | <a href="https://amityuni.live/88176000398">https://amityuni.live/88176000398</a> | <a href="https://amityuni.live/89329463405">https://amityuni.live/89329463405</a> | <a href="https://amityuni.live/84725394212">https://amityuni.live/84725394212</a> | <a href="https://amityuni.live/84901890485">https://amityuni.live/84901890485</a> | <a href="https://amityuni.live/89679633757">https://amityuni.live/89679633757</a> | <a href="https://amityuni.live/85461156414">https://amityuni.live/85461156414</a> |
|-------------|---|---|---|---|---|---|

| <b>Technical Session<br/>19 - 24<br/>(02:15-<br/>4:00 PM IST)</b> | <b>Technical Session - 19</b>   | <b>Technical Session- 20</b>   | <b>Technical Session - 21</b>   | <b>Technical Session - 22</b>   | <b>Technical Session - 23</b>   | <b>Technical Session - 24</b>  |                         |
|---|---|--|---|---|---|--|-------------------------|
|   | Coordinator: Dr. RK Tyagi , Mr. Mahendra Kumar Verma, Dr Rohit Sharma, Mr Gaurav Gupta, Dr Vijay Chaudhary, Dr Preeti Joshi, Mr Vipin Kaushik | Coordinator: Dr. BS Sikarwar, Dr Manish Kumar Chauhan, Mr Ravinder Kannojiya, Dr Meeta Sharma, Mr. Krishna Mohan Agarwal, Mrs Khushbu Yadav, Dr Gopal Nandan Mr Sanjeev Kumar Sharma | Coordinator: Dr. Ravinder Kumar, Mr Ritesh Kumar, Dr. K Mathyzhagan, Mr. Sanatan Ratna, Mr. Pritish Shubham, Dr. Rohit Singla, Mr. Naveen Kumar | Coordinator: Dr. BP Sharma, Dr. Umesh Kumar Vates, Dr. G. Srinivasa Rao, Mr. Jeevan Singh Bisht, Mr Mayank Chabra, Mr. Ajay Sharma, Dr. Pallav Gupta, Dr Anoop Kumar Shukla | Coordinator: Dr. Niraj Kumar, Mr. Shubham Sharma, Mr. Prem Narayan Vishwakarma, Mrs. Sheelam Mishra, Dr Rajeev Kumar Singh, Dr. Jaspreet Hira, Mr. Naveen Ananad Daniel | Coordinator: Dr. Rakesh Kumar, Mr. Sumit Sharma, Dr. Rahul Sindhwani, Dr. Sumit Gupta, Mr. Manish Kumar Ojha, Mr. Shyamal Samant, Dr. Priyank Srivastava |                         |
|   | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>  | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>  | <b>Session Chair(s)</b> |
|   | Dr. Anurag Gupta  | Mr. Anoop Kumar  | Dr. Amit Gupta  | Dr. Bahni Ray   | Dr. Anurag Singh  | Dr. Rajesh Khanna  | Dr. Rahul Dev Gupta     |
|   |   |  | Dr. Rajendra Kumar Shukla   |   |   |  |                         |
|   | <i>Paper_Id</i>   | <i>Paper_Id</i>  | <i>Paper_Id</i>   | <i>Paper_Id</i>   | <i>Paper_Id</i>   | <i>Paper_Id</i>  | <i>Paper_Id</i>         |
|   | 452   | 354  | 512   | 401   | 476   | MATPR-D-20-05098R1   |                         |
|   | 453   | 630  | 381   | 596   | 479   | MATPR-D-20-05122R1   |                         |
|   | 462   | 734  | 383   | 618   | 503   | MATPR-D-20-05123R1   |                         |
|   | 480   | 671  | 393   | 626   | 515   | MATPR-D-20-05241R1   |                         |
|   | 487   | 411  | 417   | 628   | 523   | MATPR-D-20-05243R1   |                         |
|   | 496 + 498 - Ethiopia  | 416  | 419   | 634   | 528   | MATPR-D-20-05582R1   |                         |
|   | 505   | 422  | 420   | 635   | 727   | MATPR-D-20-05632   |                         |
|   | 526   | 424  | 428 - Hungary   | 643   | 672   | MATPR-D-20-03497R1   |                         |
|   | 529   | 441  | 435   | 644   | 547   | MATPR-D-20-03655R1   |                         |
|   | 532   | 455  | 440   | 692   | 549   | MATPR-D-20-04000R1   |                         |
| 536   | 681   | 235  | 239   | 560   | MATPR-D-20-04341R1  |  |                         |
| 537   | 497 - Ethiopia  | 726  | 260   | 562   | MATPR-D-20-04902R1  |  |                         |
| 371   | 386   | 208  | 736   | 495 - Ethiopia  | 706   |  |                         |

**04:00-4:10 PM IST** Tea Break

|             |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|
| <b>URL:</b> | <a href="https://amityuni.live/88176000398">https://amityuni.live/88176000398</a> | <a href="https://amityuni.live/89329463405">https://amityuni.live/89329463405</a> | <a href="https://amityuni.live/84725394212">https://amityuni.live/84725394212</a> | <a href="https://amityuni.live/84901890485">https://amityuni.live/84901890485</a> | <a href="https://amityuni.live/89679633757">https://amityuni.live/89679633757</a> | <a href="https://amityuni.live/85461156414">https://amityuni.live/85461156414</a> |
|             | <b>Technical Session - 25</b>   | <b>Technical Session - 26</b>   | <b>Technical Session - 27</b>   | <b>Technical Session- 28</b>  | <b>Technical Session - 29</b>   | <b>Technical Session - 30</b>   |

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|---|---|--|---|---|---|--|
| <b>Technical Session<br/>25 - 30<br/>(4:10-6:00 PM IST)</b> | Coordinator: Dr. RK Tyagi , Mr. Mahendra Kumar Verma, Dr Rohit Sharma, Mr Gaurav Gupta, Dr Vijay Chaudhary, Dr Preeti Joshi, Mr Vipin Kaushik | Coordinator: Dr. BS Sikarwar, Dr Manish Kumar Chauhan, Mr Ravinder Kannojiya, Dr Meeta Sharma, Mr. Krishna Mohan Agarwal, Mrs Khushbu Yadav, Dr Gopal Nandan Mr Sanjeev Kumar Sharma | Coordinator: Dr. Ravinder Kumar, Mr Ritesh Kumar, Dr. K Mathyzhagan, Mr. Sanatan Ratna, Mr. Pritish Shubham, Dr. Rohit Singla, Mr. Naveen Kumar | Coordinator: Dr. BP Sharma, Dr. Umesh Kumar Vates, Dr. G. Srinivasa Rao, Mr. Jeevan Singh Bisht, Mr Mayank Chabra, Mr. Ajay Sharma, Dr. Pallav Gupta, Dr Anoop Kumar Shukla | Coordinator: Dr. Niraj Kumar, Mr. Shubham Sharma, Mr. Prem Narayan Vishwakarma, Mrs. Sheelam Mishra, Dr Rajeev Kumar Singh, Dr. Jaspreet Hira, Mr. Naveen Ananad Daniel | Coordinator: Dr. Rakesh Kumar, Mr. Sumit Sharma, Dr. Rahul Sindhwani, Dr. Sumit Gupta, Mr. Manish Kumar Ojha, Mr. Shyamal Samant, Dr. Priyank Srivastava |
|   | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>  | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>  |
|   | Dr. Naresh Kr Dua   | Dr. M Kedar Mallik   | Dr. Pawan Kumar Rakesh  | Dr. Vijay Pandey  | Dr. Rajiv Janardhanan   | Dr. Chitresh Nayak   |
|   | <b>Paper_Id</b>   | <b>Paper_Id</b>  | <b>Paper_Id</b>   | <b>Paper_Id</b>   | <b>Paper_Id</b>   | <b>Paper_Id</b>  |
|   | 545   | 685  | 447   | 700   | 568   | MATPR-D-20-02366R1   |
|   | 555   | 471  | 459   | 718   | 569   | MATPR-D-20-02582R1   |
|   | 561   | 475  | 321   | MATPR-D-20-04977R1  | 580   | MATPR-D-20-02955R1 -Morocco  |
|   | 564   | 489  | 329   | MATPR-D-20-04979R1  | 595   | MATPR-D-20-02990R1 -Morocco  |
|   | 585   | 501  | 320   | MATPR-D-20-01704R1  | 600   | MATPR-D-20-03174R1   |
|   | 589   | 519  | 136 - UK  | MATPR-D-20-01754R1  | 601   | MATPR-D-20-03196R1   |
|   | 599   | 521  | 337 - Bangladesh  | MATPR-D-20-01761R1  | 673   | MATPR-D-20-03369R1   |
|   | 602   | 525  | 407   | MATPR-D-20-01762R1  | 631   | MATPR-D-20-04408R1   |
|   | 604   | 712  | 408   | MATPR-D-20-01867R1  | 731   | MATPR-D-20-04516R1   |
|   | 606   | 733  | 409   | MATPR-D-20-02058R1  | 664   | MATPR-D-20-04654R1   |
|   | 609   | 534  | 137 - UK  | MATPR-D-20-03952R2  | 666   | MATPR-D-20-04736R1   |
| 613   | 535   | 698  | 431   | 669   | MATPR-D-20-04778R1  |  |
| 436   | 713   |  | 410   | 551   | 695   |  |

**7th August -2020 (Friday)**

|                           |   |  |  |  |  |
|---------------------------|---|--|--|--|--|
| <b>URL:</b>               | <a href="https://amityuni.live/81042590153">https://amityuni.live/81042590153</a> |  |  |  |  |
| <b>09:00-09:45 AM IST</b> | <b>Plenary Talk</b>   | Prof. (Dr.) Satyandra Gupta, Smith International Professor of Mechanical Engineering, University of Southern California, USA |  |  |  |
| <b>09:45-10:20 AM IST</b> | <b>Keynote Talk</b>   | Prof. (Dr.) M. Affan Badar, Indiana State University, USA  |  |  |  |
| <b>10:20-10:55 AM IST</b> |   | Prof. Dr. Kannan Govindan, University of Southern Denmark  |  |  |  |
| <b>10:55-11:30 AM IST</b> |   | Dr. Jaesun Lee, Changwon National University, Korea  |  |  |  |

**11:30-11:45 AM IST** Tea Break

|             |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|
| <b>URL:</b> | <a href="https://amityuni.live/83453018848">https://amityuni.live/83453018848</a> | <a href="https://amityuni.live/84721411456">https://amityuni.live/84721411456</a> | <a href="https://amityuni.live/89827554541">https://amityuni.live/89827554541</a> | <a href="https://amityuni.live/84015895018">https://amityuni.live/84015895018</a> | <a href="https://amityuni.live/87166435125">https://amityuni.live/87166435125</a> | <a href="https://amityuni.live/88923401944">https://amityuni.live/88923401944</a> |
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|--|---|--|---|---|---|--|-----------------|
| <b>Technical Session<br/>31 - 36<br/>(11:45-1:30 PM IST)</b> | <b>Technical Session - 31</b>   | <b>Technical Session - 32</b>  | <b>Technical Session - 33</b>   | <b>Technical Session - 34</b>   | <b>Technical Session - 35</b>   | Technical Session - 36 (Special Session: Industry 4.0 – Impact on Mechanical Engineering Designs)  |                 |
|  | Coordinator: Dr. RK Tyagi , Mr. Mahendra Kumar Verma, Dr Rohit Sharma, Mr Gaurav Gupta, Dr Vijay Chaudhary, Dr Preeti Joshi, Mr Vipin Kaushik | Coordinator: Dr. BS Sikarwar, Dr Manish Kumar Chauhan, Mr Ravinder Kannojiya, Dr Meeta Sharma, Mr. Krishna Mohan Agarwal, Mrs Khushbu Yadav, Dr Gopal Nandan Mr Sanjeev Kumar Sharma | Coordinator: Dr. Ravinder Kumar, Mr Ritesh Kumar, Dr. K Mathyzhagan, Mr. Sanatan Ratna, Mr. Pritish Shubham, Dr. Rohit Singla, Mr. Naveen Kumar | Coordinator: Dr. BP Sharma, Dr. Umesh Kumar Vates, Dr. G. Srinivasa Rao, Mr. Jeevan Singh Bisht, Mr Mayank Chabra, Mr. Ajay Sharma, Dr. Pallav Gupta, Dr Anoop Kumar Shukla | Coordinator: Dr. Niraj Kumar, Mr. Shubham Sharma, Mr. Prem Narayan Vishwakarma, Mrs. Sheelam Mishra, Dr Rajeev Kumar Singh, Dr. Jaspreet Hira, Mr. Naveen Ananad Daniel | Coordinator: Dr. Rakesh Kumar, Mr. Sumit Sharma, Dr. Rahul Sindhwani, Dr. Sumit Gupta, Mr. Manish Kumar Ojha, Mr. Shyamal Samant, Dr. Priyank Srivastava |                 |
|  | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>  | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>   | <b>Session Chair(s)</b>  |                 |
|  | Dr. Rishi Kant  | Dr. Rajni Dua  | Dr. Parveen Sharma  | Dr. Gadudasu Babu Rao   | Dr. Vinod Kumar Yadav   | Dr. Gaurav Dwivedi   |                 |
|  |   | Dr. Sanjay Mohite  | Dr Pravin Kumar   | Dr. Rajesh Mathivanan N   | Dr. Ashish Mani   |  |                 |
|  | <b>Paper_Id</b>   | <b>Paper_Id</b>  | <b>Paper_Id</b>   | <b>Paper_Id</b>   | <b>Paper_Id</b>   | <b>Paper_Id</b>  | <b>Paper_Id</b> |
|  | 652   | MATPR-D-20-01755R1   | 517   | MATPR-D-20-03951R1  | 667   | 45   |                 |
| 670  | MATPR-D-20-01866R1  | 518  | MATPR-D-20-02108R1  | 674   | 62  |  |                 |
| 690  | MATPR-D-20-02038R1  | 520  | MATPR-D-20-03262R1  | 701   | 148   |  |                 |
| 691  | MATPR-D-20-02215R1  | 527  | MATPR-D-20-05633R1  | 710   | 377   |  |                 |
| 702  | MATPR-D-20-02284R1  | 541  | 360   | 633   | 478   |  |                 |



|                    |                    |                      |                    |                    |     |
|--------------------|--------------------|----------------------|--------------------|--------------------|-----|
| 703                | MATPR-D-20-02305R1 | 548 - Two Presenters | 442                | 704                | 632 |
| 705                | MATPR-D-20-02581R1 | 556                  | 553                | 714 -Uzbekistan    | 267 |
| 711                | MATPR-D-20-03093R1 | 559                  | 578                | 379                | 278 |
| 715                | MATPR-D-20-03128R1 | 567                  | 587                | MATPR-D-20-04837R1 | 607 |
| MATPR-D-20-05030R1 | MATPR-D-20-03197R1 | 623                  | 722                | MATPR-D-20-02780R1 | 686 |
| MATPR-D-20-02364R1 | MATPR-D-20-03263   | 639                  | 723                | 624                | 653 |
| MATPR-D-20-05244R1 | MATPR-D-20-03397R1 | 502                  | MATPR-D-20-02252R1 | 231                | 725 |

1:30-2:00 PM IST

LUNCH BREAK

URL: <https://amityuni.live/87826432506>

2:00-2:35 PM IST

Keynote Talk

Prof. (Dr.) Hendrik Kuhlmann, Institute of Fluid Mechanics and Heat Transfer, TU Wien, Vienna, Austria

**Bridging the Industry-Academia Gap and Knowledge Management**

Panel Discussion

**Theme: How to Frame The Industry Academia collaboration for "ATMANIRBHAR BHARAT"**

**Coordinators: Dr. B P Sharma, Prof. PK Rohatgi, Dr. Ravinder Kumar, Prof. Shyamal Samant**

Technical Session

37

02:35-

4:00 PM IST

Academia and Research Expats

*Dr. Sakti S. Gupta, IIT Kanpur*

*Dr. Sachin Singh Gautam, IIT Guwahati*

*Dr. Balkrishna Mehta, IIT, Bhilai*

*Dr. Anamika Prasad, South Dakota State University, USA*

*Andras Toth, Budapest University of Technology and Economics, HUNGARY*

Industry Professionals

*Dr. Sandip Patil - Director - E-Spin Nanotech Pvt. Ltd.*

*Mr. Ajay Kumar Dwivedi, EX-Director (Exploration) of ONGC*

*Mr. Naveen Kumar Bansal, EX-Executive Director IOCL*

*Mr. Sanjeet Kumar, Director - Research, Amber Enterprises, Rajpura, Punjab*

*Mr. Gautam Datta - Vice President - Siemens Ltd. India*

04:00-4:45 PM IST

Plenary Talk of Chief Guest - Valedictory Function

Prof. (Dr.) Sameer Khandekar, Indian Institute of Technology Kanpur, India

4:45-6:00 PM IST

VALEDICTORY FUNCTION