

# 15<sup>th</sup> National Frontiers of Engineering (NatFoE) Symposium

July 09-10, 2021

Organized by

Indian Institute of Technology, Hyderabad  
&  
Indian National Academy of Engineering

## Program Schedule



[Webex link for the symposium](#)

<https://iith.webex.com/meet/office>

## Program Schedule

<b>Day 1 (July 9, 2021; Friday)</b>	
08.30 - 09.00	Registration/Technical set up
09.00 - 09.25	Inaugural Session
09.30 - 11.30	Session-1 (Theme: Artificial Intelligence & Machine Learning)
11.30 - 12.00	Break
12.00 - 13.00	IMP Session
13.00 - 14.30	Break
14.30 - 16.30	Session-2 (Theme: Advances in Materials & Manufacturing Technology)
16.30 - 17.00	Break
17.00 - 17.15	IITH Virtual Tour
17.15 - 18.00	Pre-dinner talk (Speaker: Dr. Tessy Thomas, DRDO)
18.00 - 18.30	Break
18.30 - 19.30	Cultural program (Indian Qawwali by Ahmed Brothers)
<b>Day 2 (July 10, 2021; Saturday)</b>	
09.00 - 11.00	Session-3 (Theme: Infrastructure & Unconventional Energy)
11.00 - 11.30	Break
11.30 - 13.00	Special Session on Azadi Ka Amrit Mahotsava (Chair: Prof. Indranil Manna, President, INAE)
13.00 - 14.30	Break
14.30 - 16.30	Session-4 (Theme: Rural Entrepreneurship)
16.30 - 17.00	Break
17.00 - 17.45	IMP Session Grand Finale
17.45 - 18.30	Pre-dinner Talk (Speaker: Dr. Debashish Bhattacharjee, Tata Steel)
18.30 - 19.30	Summary, Roadmap and Concluding Remarks (Chair: Prof. Sivaji Chakravorti, Vice President, INAE)

<b>Inaugural Session</b>	
<b>July 9, 2021 (Friday) (9:00-9:25)</b>	
09.00 - 09.05	Welcome Remarks (Prof. B. S. Murty, Director, IIT Hyderabad)
09.05 - 09:10	About NatFoE Symposium: Prof. Sivaji Chakravorti, Vice President, INAE
09:10 - 09:20	Presidential Remarks (Prof. Indranil Manna, President, INAE)
09:20 - 09:22	Releasing Symposium Abstract Booklet
09:22 - 09:25	Vote of Thanks (Dr. Chandra Shekhar Sharma, Coordinator, NatFoE 2021)

**Session-1 (Theme: Artificial Intelligence & Machine Learning)**

09.30 - 09.45	Dr. Vineeth N Balasubramanian
09.45 - 10:00	Dr. Piyush Rai
10:00 - 10:15	Dr. Preethi Jyothi
10:15 - 10:30	Dr. Sunny Manchanda
10:30 - 10:45	Dr. Amit Acharyya
10:45 - 11:30	Discussion

**Session-2 (Theme: Advances in Materials & Manufacturing Technology)**

14.30 - 14.45	Dr. Suhash Ranjan Dey
14.45 - 15:00	Dr. Neena S John
15:00 - 15:15	Dr. Senthilkumaran Kumaraguru
15:15 - 15:30	Dr. Vikranth Racherla
15:30 - 15:45	Dr. Suryakumar S
15:45 - 16:30	Discussion

**Session-3 (Theme: Infrastructure & Unconventional Energy)**

09.30 - 09.45	Dr. Mahendrakumar Madhavan
09.45 - 10:00	Dr. Arjun Sil
10:00 - 10:15	Dr. Syed Khaja Karimullah Hussaini
10:15 - 10:30	Dr. Ramendra Sundar Dey
10:30 - 10:45	Dr. Chandra Shekhar Sharma
10:45 - 11:30	Discussion

**Session-4 (Theme: Rural Entrepreneurship)**

14.30 - 14.45	Dr. Prasad S. Onkar
14.45 - 15:00	Dr. Rajib Deb
15:00 - 15:15	Dr. Shailandra Tiwari
15:15 - 15:30	Dr. Sriparna Chatterjee
15:30 - 15:45	Dr. Mudrika Khandelwal
15:45 - 16:30	Discussion

**Special Session on Azadi Ka Amrit Mahotsava****July 10, 2021 (Saturday) (11:30-13:00)**

11.30 - 11.45	Dr. Suhani Mohan
11.45 - 12:00	Dr. Pooja Devi
12:00 - 12:15	Dr. Mitesh M. Khapra
12:15 - 12:30	Dr. Tapas Kumar Maji
12:30 - 13:00	Discussion

## Pre- Dinner Talks

July 9, 17:15hrs



**Advances in Aerospace Materials and Manufacturing Technologies**

by

**Dr. Tessy Thomas**

Distinguished Scientist & Director General - Aeronautical Systems (AS)

DRDO, Ministry of Defence, Government of India

July 10, 17:45 hrs



**Evolution of high strength automotive steels and their future**

by

**Dr. Debashish Bhattacharjee**

Vice President (Technology and New Materials Business), Tata Steel.

