



5TH INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN MECHANICAL & INDUSTRIAL ENGINEERING 04TH - 05TH MARCH 2022

**MECHANICAL ENGINEERING DEPARTMENT
THE NORTHCAP UNIVERSITY, GURUGRAM, HARYANA, INDIA**

Conference Programme

Day One - 4th March 2022

Inauguration Ceremony

Venue - Auditorium, New Building, NCU

Online Link: Click to join	
8.30 AM Onwards	Registration of Delegates & Participants at the Registration Desk
09:45 AM - 10.00 AM	The arrival of the dignitaries
10.00 AM - 11.00 AM	High Tea at Café 10
11.00 AM - 11.02 AM	Lightening of Lamp
11.02 AM - 11.05 AM	Sarasvati Vandana
11.05 AM - 11.10 AM	Welcome Address by Dr. Rohit Singh Lather (Conference Convener)
11.10 AM - 11.15 AM	Address by Prof. Prem Vrat, Pro-Vice-Chancellor & Chief Mentor, NCU
11.15 AM - 11.20 AM	Address by Prof. (Dr.) Nupur Prakash, VC, NCU
11.20 AM - 11.25 AM	Address by Guest of Honor Dr. Mamta Rani Agarwal, Advisor – 1 ATAL, AICTE, New Delhi
11.25 AM - 11.30 AM	Address by Special Invitee Ms. Pamela Tikoo, Chief Business Officer, International Centre for Automotive Testing, Manesar

11.30 AM - 11.40 AM	Address by the Chief Guest Prof. VK Vijay, IIT Delhi (Online)
11.40 AM - 11.42 AM	Release of the Book of Abstracts
11.42 AM - 11.48 AM	Felicitation of the Guests with Mementoes
11.48 AM – 11.50 PM	Vote of Thanks by Dr. Roshan Raman (Conference Co-Convener)
11.50 AM – 12.00 PM	Cultural Program
12.00 PM - 12.02 PM	National Anthem
12.02 PM - 12.15 PM	Photo Session
12.15 AM - 01.15 PM	LUNCH at Café 10

Plenary Session - 1
Venue – Smart Class Room, Main Building

Online Link: Click to join	
Session Chair	Dr. Rohit Singh Lather, HoD Mechanical Engineering Dept. NCU
01.20 PM - 01.40 PM	Prof. Zianglo Li - Waterloo – Canada President, Fuel Cell Division, International Association for Hydrogen Energy (IAHE) VP Technical Program, Canadian Society for Mechanical Engineering (CSME) Title: Status and Prospects of Fuel Cells for Automotive Applications
01.40 PM - 02.00 PM	Ricardo Vinuesa, Associate Professor Vice Director of KTH Digitalization Platform Researcher at KTH Climate Action Centre Title: Artificial intelligence and computational fluid dynamics and sustainability

Technical Session(s) 04th March 2022
Parallel Session(s)

Technical Session A (Offline/Online) 02:00 PM – 04:30 PM	
Technical Session A0	Offline – RN 223 (CAD Lab)
Click to Join Technical Session A1	Thermo-fluid Prof. Jose R. Serrano

	Title: Oxyfuel combustion for zero tank-to-wheel tail pipe emissions in reciprocating engines	
Click to Join Technical Session A2	Industrial and Production	
Click to Join Technical Session A3	Design	
High Tea at Café 10 04:30 PM – 05:00 PM		
Technical Session B (Online) 05:00 PM – 07:00 PM		
Click to Join Technical Session - B1 Session Theme: Thermo-fluid	Click to Join Technical Session - B2 Session Theme: Industrial and Production	Click to Join Technical Session - B3 Session Theme: Design
End of Day One		

Day Two - 5th March 2022

High Tea 09:00 AM – 10:00 AM	
Plenary Session – 2 (Online/Offline) 10:00 AM to 11:00 AM Venue – Smart Class Room, Main Building	
Online Link: Click to join	
10:00 AM to 10:20 AM	Prof. Mhd. Hassanuzuman Title: Impact of Renewable energy on sustainable energy and environment
10:20 AM to 10:40 AM	Prof. Antonio Garcia Universitat Politècnica de València. CMT-Motores Térmicos Spain Title: Carbon utility in the road transport sector, How to achieve it?
10:40 AM to 11:00 AM	Prof. Mehdi Rashidi UEST China

	Review of Recent Progress in Frame Work and Coupling scheme for Muti-Skill Computational Methods.	
Technical Session C (Offline/Online) 11:00 AM – 01:00 PM		
Click to Join Technical Session C0	Offline – RN 223 (CAD Lab)	
11:00 AM – 01:20 PM	Prof. Ahment Selim Daikilic, Zildiz Technical University, Turkey Title: Condensation inside smooth and enhanced tubes	
Click to Join Technical Session C1	Thermo-fluid	
Click to Join Technical Session C2	Industrial and Production	
Click to Join Technical Session C3	Design	
Lunch at Café 10 01.00 P.M - 02.00 PM		
Technical Session D (Online) 02:00 PM – 04:00 PM		
Technical Session - D1 Session Theme: Thermo-fluid	Technical Session - D2 Session Theme: Industrial and Production	Technical Session - D3 Session Theme: Design
High Tea 04:00 PM – 05:00 PM		
Technical Session E (Online) 05:00 PM – 07:00 PM		
Technical Session - E1 Session Theme: Thermo-fluid	Technical Session - E2 Session Theme: Industrial and Production	Technical Session - E3 Session Theme: Design

Valedictory Session 06th March 2022

Online Link: Click to join	
10:00 AM - 10:05 AM	Address by Dr. Rohit Singh Lather (Conference Convener)

10:05 AM - 10:10 AM	Address by Dr. Roshan Raman (Conference Co-Convener)
10:10 AM - 10:15 AM	Session Details by Session Coordinators
10:15 AM - 10:30 AM	Certificate distribution
10:30 AM - 10:40 PM	Feedback from Participants
10:40 PM - 10:45 PM	Vote of Thanks by Dr. Rohit Singh Lather (Conference Convener)