



**International Conference on Engineering Challenges in Global Sustainable Development
30 & 31, January 2025**

Organized by the Department of Mechanical Engineering
PSN College of Engineering and Technology
Melathediyoor- 627 152, Tirunelveli District, Tamil Nadu



Conference Schedule – Day 1 – Thursday, 30 th January 2025				
TIME (IST)				
FROM (Hrs.)	TO (Hrs.)			
8:00	9:00	Registration		
9:00	9:30	Conference Inauguration		
9:30	10:00	Keynote Address 1 (IT Conference Hall)		
		Dr. Abdus Samad Professor Department of Ocean Engineering Indian Institute of Technology Madras		
10:00	10:30	Keynote Address 2 (IT Conference Hall)		
10:30	11:00	Refreshments		
Oral Session 1 Theme: Structural Engineering and Environmental Engineering Venue: IT Conference Hall Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
11:00	11:15	SEEEOP 1		
11:15	11:30	SEEEOP 2		
11:30	11:45	SEEEOP 3		
11:45	12:00	SEEEOP 4		
12:00	12:15	SEEEOP 5		
12:15	12:30	SEEEOP 6		
12:30	12:45	SEEEOP 7		
12:45	13:00	SEEEOP 8		
Oral Session 1 Theme: Materials Science and Manufacturing Engineering Venue: PG Seminar Hall Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
11:00	11:15	MSMEOP 1		
11:15	11:30	MSMEOP 2		
11:30	11:45	MSMEOP 3		
11:45	12:00	MSMEOP 4		
12:00	12:15	MSMEOP 5		
12:15	12:30	MSMEOP 6		
12:30	12:45	MSMEOP 7		
12:45	13:00	MSMEOP 8		

Conference Schedule – Day 1 – Thursday, 30 th January 2025				
Oral Session 1 Theme: Thermal Sciences and Energy Engineering Venue: MBA Seminar Hall Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
11:00	11:15	TSEEO P 1		
11:15	11:30	TSEEO P 2		
11:30	11:45	TSEEO P 3		
11:45	12:00	TSEEO P 4		
12:00	12:15	TSEEO P 5		
12:15	12:30	TSEEO P 6		
12:30	12:45	TSEEO P 7		
12:45	13:00	TSEEO P 8		
Oral Session 1 Theme: Design Engineering Venue: Marine Seminar Hall Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
11:00	11:15	DEOP 1		
11:15	11:30	DEOP 2		
11:30	11:45	DEOP 3		
11:45	12:00	DEOP 4		
12:00	12:15	DEOP 5		
12:15	12:30	DEOP 6		
12:30	12:45	DEOP 7		
12:45	13:00	DEOP 8		
Oral Session 1 Theme: Electricity Generation Engineering Venue: EEE Seminar Hall Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
11:00	11:15	EGEOP 1		
11:15	11:30	EGEOP 2		
11:30	11:45	EGEOP 3		
11:45	12:00	EGEOP 4		
12:00	12:15	EGEOP 5		
12:15	12:30	EGEOP 6		
12:30	12:45	EGEOP 7		
12:45	13:00	EGEOP 8		



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Conference Schedule – Day 1 – Thursday, 30th January 2025				
Oral Session 1				
Theme: Electrified Transportation Engineering				
Venue: ECE Seminar Hall				
Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
11:00	11:15	ETEOP 1		
11:15	11:30	ETEOP 2		
11:30	11:45	ETEOP 3		
11:45	12:00	ETEOP 4		
12:00	12:15	ETEOP 5		
12:15	12:30	ETEOP 6		
12:30	12:45	ETEOP 7		
12:45	13:00	ETEOP 8		
13:00	14:00	Lunch		
		Keynote Address 3 (IT Conference Hall)		
14:00	14:30	Dr. Rizalman Bin Mamat Professor Faculty of Mechanical & Automotive Engineering Technology Universiti Malaysia Pahang		
14:30	15:00	Keynote Address 4 (IT Conference Hall)		
15:00	15:30	Refreshments		
Oral Session 2				
Theme: Structural Engineering and Environmental Engineering				
Venue: IT Conference Hall				
Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
15:30	15:45	SEEEOP 9		
15:45	16:00	SEEEOP 10		
16:00	16:15	SEEEOP 11		
16:15	16:30	SEEEOP 12		
16:30	16:45	SEEEOP 13		
16:45	17:00	SEEEOP 14		
Oral Session 2				
Theme: Materials Science and Manufacturing Engineering				
Venue: PG Seminar Hall				
Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
15:30	15:45	MSMEOP 9		
15:45	16:00	MSMEOP 10		
16:00	16:15	MSMEOP 11		

Conference Schedule – Day 1 – Thursday, 30th January 2025				
Oral Session 2				
Theme: Materials Science and Manufacturing Engineering				
Venue: PG Seminar Hall				
Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
16:15	16:30	MSMEOP 12		
16:30	16:45	MSMEOP 13		
16:45	17:00	MSMEOP 14		
Oral Session 2				
Theme: Thermal Sciences and Energy Engineering				
Venue: MBA Seminar Hall				
Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
15:30	15:45	TSEEOOP 9		
15:45	16:00	TSEEOOP 10		
16:00	16:15	TSEEOOP 11		
16:15	16:30	TSEEOOP 12		
16:30	16:45	TSEEOOP 13		
16:45	17:00	TSEEOOP 14		
Oral Session 2				
Theme: Design Engineering				
Venue: Marine Seminar Hall				
Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
15:30	15:45	DEOP 9		
15:45	16:00	DEOP 10		
16:00	16:15	DEOP 11		
16:15	16:30	DEOP 12		
16:30	16:45	DEOP 13		
16:45	17:00	DEOP 14		
Oral Session 2				
Theme: Electricity Generation Engineering				
Venue: EEE Seminar Hall				
Chair:				
FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
15:30	15:45	EGEOP 9		
15:45	16:00	EGEOP 10		
16:00	16:15	EGEOP 11		
16:15	16:30	EGEOP 12		
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16:45	17:00	EGEOP 14		



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Oral Session 2

Theme: Electrified Transportation Engineering

Venue: ECE Seminar Hall

Chair:

FROM (Hrs.)	TO (Hrs.)	Oral Session	Paper No.	Title
15:30	15:45	ETEOP_9		
15:45	16:00	ETEOP_10		
16:00	16:15	ETEOP_11		
16:15	16:30	ETEOP_12		
16:30	16:45	ETEOP_13		
16:45	17:00	ETEOP_14		