

Webinar Series Program						
Sr No	Date & Time	Chaiperson	Category	Name of Speaker	Topic	Link for Registration
1	04 Jan 5:00 to 7:30 PM	Dr. PS Goel, Former President, INAE	Life Time Contribution Award in Engineering	Prof. KA Padmanabhan	On Some Boundless Excursions in Materials Science and Engineering	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e4aeb4ea68b5c2f6808838b633b313aaf">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e4aeb4ea68b5c2f6808838b633b313aaf</a>
2				Dr. TSR Prasada Rao	Research, Development, and Commercialisation: My Journey in Engineering	
3				Dr. V Ramaswamy	Modern Trends in the Usage of High Strength Steels	
4				Prof. LM Patnaik	Joys of Initiating and Nurturing Research in Parallel Computing	
5	05 Jan 5:00 to 7:30 PM	Dr. BN Suresh, Past- President, INAE	Outstanding Teacher Award	Prof. Ranjit Kumar Ray	My Tryst with 'Texture' for Five Decades	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e923b50a23302f3f8e58ba67c56bf983b">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e923b50a23302f3f8e58ba67c56bf983b</a>
6				Prof. Bhim Singh	Solar Photovoltaic Power Generation and Its Impact on Our Lives	
7				Prof. Sanghamitra Bandyopadhyay	Designing Lead Molecules: An Algorithmic Approach	
8				Dr. VR Lalithambika	Guidance and control design and validation challenges for winged entry vehicles	
9				Dr. Dheepa Srinivasan	Marvels of Advanced Gas Turbine Materials Technologies	
10	06 Jan 5:00 to 7:30 PM	Dr. Sanak Mishra, President, INAE	Newly elected Fellows under Rule 37(g)	Dr. Ravindra D Kulkarni	Establishment of Silicone Manufacturing facility in Pune, India (1994 - 2020)	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e00c39d1a61f8c2d16df4f69a9157a3c4">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e00c39d1a61f8c2d16df4f69a9157a3c4</a>
11				Mr. SK Roongta	Experiences with people relating to creativity & positivity	
12				Mr. Akshay V. Singhal	Need for customised and indigenous Battery Solutions for mass scale EV Adoption in India	
13				Dr. Anuya A. Nisal	Silk cocoons to bone void fillers: unravelling the story	
14	07 Jan 5:00 to 7:30 PM	Prof. SK Bhattacharyya Engg Section-I (Civil Engg)	Newly Elected Fellows/Foreign Fellows	Prof. CSP Ojha	A Holistic Approach to Management of Indian Water Resources	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=ea89fba8d23b764386e7e961b7517510f">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=ea89fba8d23b764386e7e961b7517510f</a>
15				Dr. N Subramanian	Cold-Formed Steel Sections-Review of Our Research	
16				Prof. MM Ghangrekar	Exploiting biological and bio-electrochemical wastewater treatment technologies to facilitate reuse of treated water and resource recovery	
17				Prof Nemkumar (Nemy) Banthia	Participation yet to be confirmed	
18				Dr. N. M. Anoop Krishnan	Accelerating materials discovery with data-driven and physics-driven modeling	
19	Dr. Swatantra Pratap Singh	Laser-Induced Graphene Filters and Membranes for Desalination and Water Purification				
19			Young Engineer Awardees			

20	08 Jan 5:00 to 7:30 PM	Prof. Subhasis Chaudhuri Engg Section- II (Computer Engg and IT)	Newly Elected Fellows/Foreign Fellows	Dr. Suparna Bhattacharya	The silent learner and the oblivious teacher: Meaning aware storage for AI	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e4c2ccc2258a0892d16069bcb44ed938e">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e4c2ccc2258a0892d16069bcb44ed938e</a>
21				Dr. Harrick Vin	Cognitive Automation and ignio™	
22				Prof. Naveen Garg	Scheduling to minimize energy	
23			Prof. Sudip Misra	IoT Network Adoption in Constrained Environments		
24			Young Engineer Awardees	Dr. Pawan Goyal	A Graph Based Framework for Structured Prediction Tasks in Sanskrit	
25				Dr. Neeldhara Misra	Algorithmic Aspects of the Firefighting Problem	
26	09 Jan 5:00 to 8:00 PM	Prof. Indranil Manna (Innovative Student Projects Award at Doctoral Level)	Innovative Student Projects Award at Doctoral Level	Dr. Stefie J Stephen	Incorporation of time-dependent fracture behaviour in the structural design of fibre reinforced concrete elements	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e41f25cd2b070e4c44402b240aea359b2">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e41f25cd2b070e4c44402b240aea359b2</a>
27				Dr. Asha Das	Automated Nuclear Pleomorphism Scoring in Histopathological Breast Cancer Images	
28				Dr. Kuppuraj Rajamanickam	On the quantification of two-phase flow interactions using time-resolved laser diagnostic tools	
29				Dr. Akshay Modi	Functionally coated polyethersulfone nanocomposite hollow fiber membranes showing excellent biocompatibility and uremic toxins clearance for bioartificial kidney application	
30				Dr. Priyank Mukeshkumar Shah	Leakage Current Suppression in Double Stage SECS Enabling Harmonics Suppression Capabilities	
31				Dr. Sayan Dey	NiO based sensors for VOC and heavy metal ion detection	
32				Dr. Chandan Bose	Dynamical Analysis of the Unsteady Flow Phenomena around a Flapping Wing	
33				Dr. Jhansi Jadav	Assessment of precipitation, deformation and fracture behavior of Superni 263 Ni base superalloy under tensile and low cycle fatigue conditions	
34				Dr. Debanjan Das	New Avenues to Transition-Metal Based Water Splitting Electrocatalysts	
35				Dr. Souvik Ghosh	Next-Generation Optical Nanotweezers for Dynamic Manipulation	
36				Prof. Soumitra Paul	Control of fibre-damage in C fibre reinforced SiC ceramic matrix composite by high-speed diamond grinding	

37	11 Jan 5:00 to 7:30 PM	Prof. Pradip Dutta Engg Section-III (Mechanical Engg)	Newly Elected Fellows/Foreign Fellows	Dr. Pramod Kumar	Realizing the Supercritical CO2 Brayton cycle – Challenges and Opportunities	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=ed4932a8ea2b82c4e8b2d9d6d519c695f">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=ed4932a8ea2b82c4e8b2d9d6d519c695f</a>
38				Prof. Amitava Datta	Rich and Partially Premixed Flames and their Application in LPG Burners	
39				Dr. R Balasubramaniam	Micro Nano Engineering for Strategic Applications and Rural Upliftment	
40				Prof Jayathi Y Murthy	Participation yet to be confirmed	
41			Young Engineer Awardees	Dr. Prosenjit Das	Rheo-pressure die casting process technology of Al-Si alloys: Towards development of Automobile components	
42	12 Jan 5:00 to 7:30 PM	Prof. AB Pandit Engg Section-IV (Chemical Engg)	Newly Elected Fellows/Foreign Fellows	Dr. JS Raut	Microbiomics – Role of Microbe-Microbe interaction in Shaping Microbial Communities	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e6b112096b9f522f199f239f01d378843">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e6b112096b9f522f199f239f01d378843</a>
43				Prof. KK Pant	Exploring the binary and ternary nanocatalysts for conversion of coal and biomass derived CO2 rich syngas to methanol and DME: Fundamental challenges and opportunities	
44				Prof. Pushpavanam Subramaniam	Paper Based Microfluidics for point of care diagnostics	
45				Mr Bipin V Vora	Development of Catalytic Processes for Production of Olefins	
46				Prof Nicholas A Peppas	Engineering Intelligent Materials Structures for Biomedical Applications	
47				Dr. Ravi Kumar Arun	Paper based microfluidics for energy conversion and lab on chip applications	
48			Young Engineer Awardees	Dr. Rahul Mangal	Active Matter in Complex Surroundings	
49	13 Jan 5:00 to 7:30 PM	Prof. SN Singh Engg Section-V (Electrical Engg)	Newly Elected Fellows/Foreign Fellows	Prof. Anil Kulkarni	Coordinated Damping Control of Inter-Area Power System Oscillations using Wide-Area Measurements and Grid-Connected Converter Systems	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e2af2b6f73b21a7e1fa07bcd41c0c067e">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e2af2b6f73b21a7e1fa07bcd41c0c067e</a>
50				Prof. L. Umanand	Challenges in going electric	
51				Prof. IN Kar	Robust Control of a class of Robotic Systems	
52				Dr. AP Tiwari	Design of Control and Estimation Algorithms for Nuclear Reactors	
54				Dr. Swaroop Subhash Gajare	Real Time Verification and Modelling of Series Compensated Transmission Lines	
55			Young Engineer Awardees	Dr. Sumit Kumar Pramanick	Technologies Related to High Frequency Switched Converters	
56				Prof. Jayadeva	Participation yet to be confirmed	

57	14 Jan 5:00 to 7:30 PM	Prof. V Rangopal Rao Engg Section-VI (Electronics & Communication Engg)	Newly Elected Fellows/Foreign Fellows	Dr. C Kumar	Innovations in Antenna Designs for the National Space Missions	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e8f44698f7a3cf98079408e0378105aae">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e8f44698f7a3cf98079408e0378105aae</a>
58				Prof. MV Kartikeyan	Millimeter Wave/Sub-THz Sources for Clean Energy and Other ISM Applications	
59				Prof. M Shojaei Baghini	Sensing from signal conditioning to the network	
60			Dr. CP Ravikumar	Participation confirmed (Title and Abstract awaited)		
61			Young Engineer Awardees	Dr. Digbijoy N Nath	Wide Band Gap Semiconductor Devices for Power/RF Electronics and Deep-UV Opto-Electronics	
62				Dr. Raghvendra Kumar Chaudhary	Compact Metamaterial Antennas and MIMO Cognitive Radio System for 5G Application	
63	15 Jan 5:00 to 7:30 PM	Mr. T Suvarna Raju Engg Section-VII (Aerospace Engg)	Newly Elected Fellows/Foreign Fellows	Dr. VR Lalithambika	Challenges in atmospheric phase autopilot design and simulation for expendable Launch Vehicles	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e5e816128c3ed910ee9e2272f3b85e4bb">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e5e816128c3ed910ee9e2272f3b85e4bb</a>
64				Mr. MS Suresh	Development of turbopump systems for Cryogenic and Semicryogenic Propulsion systems of ISRO	
				Dr. Samikkanu Raja	Novel Aeroelastic Solutions for Indian Aerospace Programmes	
65		Affiliated to Engg Sec VIII		Dr. Dinesh Srivastava	Nuclear Fuel Complex – Engineering Challenges	
66	18 Jan 5:00 to 7:30 PM	Prof. Amol A Gokhale Engg Section-VIII (Mining, Metallurgical and Materials Engg)	Newly Elected Fellows/Foreign Fellows	Dr. Harish C Barshilia	Next generation nano coatings for aerospace and engineering applications	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e3478cbf66350eaf5961da10abbc313a5">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e3478cbf66350eaf5961da10abbc313a5</a>
68				Dr G Padmanabham	Participation confirmed (Title and Abstract awaited)	
69				Prof. UV Waghmare	Predictive Models and Simulations of Materials using Quantum Mechanics and Machine Learning	
70			Prof Jyotirmoy Mazumder	Participation yet to be confirmed		
71			Young Engineer Awardees	Dr. Pooja Devi	Engineered Materials for Water Pollutants Monitoring and Hydrogen Energy for Sustainable Goals	
72				Dr. Mudrika Khandelwal	Fermentation derived cellulose (Bacterial Cellulose) for healthcare and environment	
73	19 Jan 5:00 to 7:30 PM	Mr. Pradeep Chaturvedi Engg Section-IX (Energy Engg)	Newly Elected Fellows/Foreign Fellows	Dr. Anuradda. Ganesh	Biomass and Bioenergy—where is the tipping point?	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e4a5108083a78a5450f878cb17c9cedcb">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e4a5108083a78a5450f878cb17c9cedcb</a>
74				Dr. S Basu	Participation yet to be confirmed	
75				Dr. AK Nayak	Technology development for passive safe advanced nuclear reactors for a low-carbon climate resilient future India	

2024						
76	20 Jan 5:00 to 7:30 PM	Prof. Rudra Pratap Engg Section-X (Intradisciplinary and Special Enggg Fields and Leadership in Academia, R&D and Industry)	Newly Elected Fellows/Foreign Fellows	Prof. Soumyo Mukherji	Nanostructure Enabled Optical Fiber Bio(chemical) sensors	<a href="https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e8d885c72cac62309266cd4c1aef3cefd">https://inaehq.webex.com/inaehq/onstage/g.php?MTID=e8d885c72cac62309266cd4c1aef3cefd</a>
77				Dr. SSV Ramakumar	Lubricants, Nanotech and CCUS- A Kaleidoscopic glimpse of some of my career research Pursuits	
78				Dr. S. Mande	Little bugs with Big Data: Mining 'Microbiomes' for improving health	
79				Prof. Ambarish Ghosh	Multifunctional helical nanoswimmers	
80			Prof. SK Pal	Participation yet to be confirmed		
81			Young Engineer Awardees	Dr. M. Sathish	Development of Process-cum-Product Design Approach for Enhancing Environment Efficiency of Leather Manufacture	
82				Dr. D. Josephine Selvarani Ruth	Shape Memory Alloy based human-machine interaction devices	