

Program at Glance

Date	Activity	Timings	Location
11-Dec	Registration	9:00 AM - 3:00 PM	Jasmine 1
	Inaugural Session	3:30 PM - 4:30 PM	Jasmine 1 - Conference Hall
	Exhibition Inauguration with Hi Tea	4:30 PM – 5:15 PM	Jasmine 1 - Exhibition Hall
	<i>Dr Baldev Raj Memorial Talks</i> <ul style="list-style-type: none"> - Dr Jaiteerth Joshi CEO & MD, Brahmos Aerospace <u>Topic:</u> Roles of Materials and NDE for success of Operation Sindoor 	5:15 PM – 6:00 PM	Jasmine 1- Conference Hall
	<i>Ramesh Bhai Parikh Memorial Talk by Industry Leaders</i> <ul style="list-style-type: none"> - Mr. B Narayan, Group President, CPO, RIL - Mr Anil V Parab, Sr Exe. VP, L&T Heavy Engg & Valves - Mr. Biju George, Director Shipbuilding, MDL - Dr Komal Kapoor, CEO, Nuclear Fuel Complex - Mr Manoj Sanghvi, CEO, Ratnamani - Mr Sanjay Choudhary, CE PED, ISGEC 	6:00 PM - 7:30 PM	Jasmine 1 - Conference Hall
	Networking Dinner	7:30 PM onwards	Jasmine 1 – Exhibition Hall

Date	Activity	Timings	Location
12-Dec	Plenary Sessions <ul style="list-style-type: none"> - Prof S Gopalkrishnan IISc, Bangalore <u>Topic:</u> Coupled Peridynamics - Machine Learning approach for Modeling Stress Assisted Pitting Corrosion problem - Sarmishtha Palit Sagar NML-CSIR <u>Topic:</u> From CSIR-Laboratory to Market: Bridging Research and Industrial Implementation - Ashok Kumar Srivastava CoE, Head, QMS & Sustainability, RIL <u>Topic:</u> Sustainability & NDE: Advancing Reliability, Responsibility, and Resilience - N Venkateswaran CEO, NABCB <u>Topic:</u> Accreditation facilitating Non-Destructive Examination for the Industry 	9: 30 AM - 11:15 AM	Jasmine 1 - Conference Hall
	Tea/Coffee Break	11:00 AM - 11:45 AM	Jasmine 1 – Exhibition Hall
	Scientific Sessions <ul style="list-style-type: none"> - Electromagnetic NDE - Infrared Thermography – I - NDE for Civil Infrastructure / Concrete – I - DR/CR/CT Technology - Multi NDE, NDE Sensors & Instrumentation 	11:30 AM - 1:00 PM	Hall – RAMAN (204 A) Hall – KALAM (204 B) Hall – BHABHA (202) Hall – SARAHAI (205 A) Hall – BOSE (205 B)
	Industrial Sessions <ul style="list-style-type: none"> - Oil & Gas: Refinery - Energy & Power: Nuclear - Transportation: Shipping - Manufacturing & TPI: Manufacturing 1 - Metals & Materials: Steel 		Jasmine 1 - Conference Hall Hall – 206 A Hall – 207 Hall – 206 B Hall - 203
	Lunch	12:30 PM - 2:30 PM	Jasmine 1 – Exhibition Hall
	Scientific Sessions <ul style="list-style-type: none"> - NDE for Pipeline Integrity & Leak Detection - NDE in Nuclear Industry - Guided Wave Ultrasonics - Magnetic and Electromagnetic NDE - Acoustic Emission 	2:00 PM - 3:30 PM	Hall – RAMAN (204 A) Hall – KALAM (204 B) Hall – BHABHA (202) Hall – SARAHAI (205 A) Hall – BOSE (205 B)
	Industrial Sessions <ul style="list-style-type: none"> - Oil & Gas: Advanced NDE in Oil & Gas 1 - Energy & Power: Thermal - Transportation: Railways - Manufacturing & TPI: Digital Radiography for Industrial Applications - Metals & Materials: Tubular 		Jasmine 1 - Conference Hall Hall – 206 A Hall – 207 Hall – 206 B Hall - 203

	Tea/Coffee Break	3:30 PM - 4:00 PM	Jasmine 1 - Exhibition Hall
	NDE 4.0 Session - Dr. Ripi Singh Digital Business Architect & Coach <u>Topic:</u> NDE 4.0: Crossing the Chasm!	4:00 PM - 5:30 PM	Jasmine 1 - Conference Hall
	Scientific Sessions - NDE of Composites - Imaging in NDE - NDE for Structural Integrity and Health Monitoring - I - AI in NDE - Reliability, POD, RBI, QA & QC	4:00 PM - 5:30 PM	Hall – RAMAN (204 A) Hall – KALAM (204 B) Hall – BHABHA (202) Hall – SARAHAI (205 A) Hall – BOSE (205 B)
	Women in NDT		Suite Room - 301
	Student Session		Hall – 203
	Springer Session		Hall - 207
	AGM (for ISNT members only)	5:30 PM - 6:15 PM	Hall - 206
	Cultural Program	6:15 PM - 7:30 PM	Jasmine 1 - Conference Hall
	Gala Dinner	7:30 PM - 10:00 PM	Jasmine 1 – Exhibition Hall

Date	Activity	Timings	Location
13-Dec	Plenary Sessions <ul style="list-style-type: none"> - Shyamsunder Mandayam VP, ISNT <u>Topic:</u> NDT Personnel Certification: Myths, Realities and How to Close the Gap - Christophe Reboud CEA, France <u>Topic:</u> Synergy between physics- Based simulation and AI for advanced NDT solutions - V Manoharan CNDE, IITM <u>Topic:</u> Translational Research in Non-Destructive Evaluation (NDE) - Christian Boller Saarland University <u>Topic:</u> Establishing Digital Twins for Life Cycle Assessment of Engineering Structures including NDE 4.0 	9:30 AM - 11:00 AM	Jasmine 1 - Conference Hall
	Tea/Coffee Break	11:00 AM - 11:30 AM	Jasmine 1 – Exhibition Hall
	Scientific Sessions <ul style="list-style-type: none"> - Microwave & THz NDE - Automation, Robotics, AI/ML and NDE 4.0 - Regulations, Human Intelligence & NDE - Infrared Thermography - II - Modelling & Simulation, Simulation Assisted AI 	11:30 AM - 1:00 PM	Hall – RAMAN (204 A) Hall – KALAM (204 B) Hall – BHABHA (202) Hall – SARAHAI (205 A) Hall – BOSE (205 B)
	Industrial Sessions <ul style="list-style-type: none"> - Oil & Gas: Fertiliser & Petro Chemicals - Energy & Power: Wind - Transportation: Aviation 1 - Manufacturing & TPI: Manufacturing 2 - Metals & Materials: Pipes & Fittings 		Jasmine 1 - Conference Hall Hall – 206 A Hall – 207 Hall – 206 B Hall – 203
	Lunch	12:30 PM - 2:30 PM	Jasmine 1 – Exhibition Hall
	Scientific Sessions <ul style="list-style-type: none"> - NDE Systems, Instrumentation, Automation - Advanced Ultrasonics - PAUT, FMC, TFM - NDE for Structural Integrity and Health Monitoring - II - NDE for Aerospace Structure and Systems - NDE for Civil Infrastructure / Concrete - II 	2:00 PM - 3:30 PM	Hall – RAMAN (204 A) Hall – KALAM (204 B) Hall – BHABHA (202) Hall – SARAHAI (205 A) Hall – BOSE (205 B)
	Industrial Sessions <ul style="list-style-type: none"> - Oil & Gas: Upstream & Pipelines - Energy & Power: Infrastructure - Transportation: Aviation 2 - Manufacturing & TPI: Training & Certification 		Jasmine 1 - Conference Hall Hall – 206 A Hall – 207 Hall – 206 B
	Tea/Coffee Break	3:30 PM - 4:00 PM	Jasmine 1 – Exhibition Hall

	Scientific Sessions <ul style="list-style-type: none"> - Radiation based NDE - NDE for Metallic Components - Laser Based NDE Technique - Advances in Ultrasonic NDE - AI based ADR for NDE 	4:00 PM - 5:30 PM	Hall – RAMAN (204 A) Hall – KALAM (204 B) Hall – BHABHA (202) Hall – SARAHAI (205 A) Hall – BOSE (205 B)
	Industrial Sessions <ul style="list-style-type: none"> - Oil & Gas: Advanced NDE in Oil & Gas 2 - Transportation: Automotive - Manufacturing & TPI: TPI & EPC 		Jasmine 1 - Conference Hall Hall – 207 Hall – 206 B
	Valedictory Function	05:45 PM - 6:30 PM	Jasmine 1 - Conference Hall

For Scientific Sessions move to next page.....

Electromagnetic NDE

12th December 2025 - 11:30hrs. to 13:08hrs.

Session Number	1A				
Hall	Raman (204A)				
Session Chairperson	Benjamin Ducharne				
Start Time	End Time	Paper ID	Paper Title	Name of Speaker	Organisation Name
11:30	11:55	IT 01	Development and Application of Eddy Current Testing for Qualification of Austenitic Stainless Steel Pipe Weld	Dr. Arbind Kumar	BARC
11:55	12:08	60	Development of Cost-Effective Solution for Auto Data Recording of OD-Eddy Current Testing of Alloy 800 Steam Generator Tubes at Nuclear Fuel Complex, Hyderabad	Mr Mohammed Muzammil Ahmed	Nuclear Fuel Complex, Hyderabad
12:08	12:21	71	Advanced NDT methods used for high pressure, cross country, hydrocarbon pipeline.	Mr Vishwajeet Ekbote	Reliance Ethane pipeline Ltd.
12:21	12:35	78	Eddy Current Technique for Assessing Degradation in Power Plant Components Exposed to Elevated Temperatures beyond 500 °C	Dr Vinod Belwanshi	CSIR-National Metallurgical Laboratory Jamshedpur
12:35	12:48	79	Stress Corrosion Cracking in Steam Turbine Rotor Grooves: Case Study and Mitigation Strategies from a 500 MW Unit in the Energy Transition Era	Dr Avijit Mondal	NTPC LIMITED
12:48	13:01	121	Development of Eddy Current Technique for Annular Gap Measurement between Coaxial Metallic Tube and Rod	Mr Manojit Shaw	Bhabha Atomic Research Centre (BARC), Mumbai
13:01	13:08	82	Advanced NDT Techniques like ACFM or underwater MPI Induced Magnetism using a coil method for Fixed Offshore Structures	Chandra Kunkulagunta	Reliance Industries Limited

Infrared Thermography - 1

12th December 2025 - 11:30 to 13:13

Session Number	1B				
Hall	Kalam (204B)				
Session Chairperson	Shruti Bharadwaj				
Start Time	End Time	Paper ID	Paper Title	Name of Speaker	Organisation Name
11:30	11:55	IT 02	Emerging trends in the Design and Analysis of Active Thermographic Systems for Composite inspection	Dr Vanita Arora	S S Automation
11:55	12:08	108	Advancements in Thermal Non-Destructive Testing: Defect Detection in GFRP Sample Using LED based Sources with Colour Temperature Variation	Mr Suresh Kumar Bhambhu	InfraRed Imaging Laboratory (IRIL), Centre for Sen
12:08	12:21	111	Enhancing Subsurface Defect Detection: A Comparative Study of Conventional and Pulse-Compression-Favourable Infrared Thermography Techniques	Ms SAMEEHA SHARMA	InfraRed Imaging Laboratory (IRIL), Centre for Sen
12:21	12:33	141	Lock-in Thermography for Detection & Identification of Defects in GMA-welded Joints	Dr Arpita Ghosh	CSIR-National Metallurgical Lab
12:33	12:46	142	ANN-based Iron Ore Composition Using Microwave-Assisted IR Thermography	Dr Suman Tewary	CSIR-National Metallurgical Laboratory, Jamshedpur
12:46	13:54	113	Barker Coded Thermal Wave Imaging for Enhanced Depth Resolution in Steel Material	Ms SAMEEHA SHARMA	InfraRed Imaging Laboratory (IRIL), Centre for Sen
13:54	13:01	182	Infrared Camera Calibration Procedure and Uncertainty Budget Estimation	Dr Sharath D	Indira Gandhi Centre for Atomic Research, Kalpakka

NDE for Civil Infrastructure / Concrete - 1

12th December 2025 - 11:30 to 13:08

Session Number	1C				
Hall	Bhabha (202)				
Session Chairperson	R Vidyasagar				
Start Time	End Time	Paper ID	Paper Title	Name of Speaker	Organisation Name
11:30	11:55	IT 03	Fingerprint – An Interrogation Tool for Health Assessment of Structures using Nonlinear Ultrasonic Features	Dr Saptarshi Sasmal	SERC CSIR
11:55	12:08	31	Non Destructive assessment of tensional state of pre and post tensioning tendons of civil infrastructures by X-Ray Diffraction (XRD) and Barkhausen Noise (MBN) methods.	Mr Vamsi Krishna Rudraraju	GNR ANALYTICAL INSTRUMENTS
12:08	12:21	57	New Trends in the Ultrasonic Pulse-Echo Tomography of Concrete Structures	Mr Sergey Nazhestkin	ACS-Solutions GmbH
12:21	12:34	144	Benchmarking Concrete with Computed Tomography: Advanced 3D Analysis for Precise and Rapid Construction	Mr Jajnabalkya Guhathakurta	Universität Stuttgart ITI/CIS
12:34	12:47	249	Surface Wave-based Characterization of Viscoelastic Layered Media with Application to Asphalt Pavements	Dr Vivek Samu	Indian Institute of Science Bangalore
12:47	12:54	162	Detection and Imaging of Vertical surface breaking defects in concrete	Mr Avinash kumar yadav	Academy of Scientific and Innovative Research, Gha
12:54	13:01	192	A Review on Ultrasonic and Electromagnetic Wave Techniques for Monitoring the Self-Healing Performance of Concrete Structures.	Ms MADHUMITHRA E	1. Academy of Scientific and Innovative Research,
13:01	13:08	253	Ultrasonic Pulse velocity properties of Heavy weight Concrete with Fly ash and Slag	Mr Venkatachalapathy V	Bhabha Atomic Research Centre

DR/CR/CT Technology

12th December - 11:30 to 13:14

Session Number	1D				
Hall	Sarabhai (205A)				
Session Chairperson	V Manoharan				
Start Time	End Time	Paper ID	Paper Title	Name of Speaker	Organisation Name
11:30	11:55	IT 04	PhotoMax with Assisted AI for Mechanical Integrity- the Evolution of Material Loss Quantification	Raj Venkatachalam	Varex
11:55	12:08	46	Automated Detection and Measurement of Internal Lengths in Digital Radiographs Using Image Processing	Mr Srivathsan S	Bhabha Atomic Research Centre
12:08	12:21	88	AI in NDT: Balancing Speed, Accuracy, and Trust in CT/X-ray Inspection	Mr Raju Gupta	Waygate Technologies a Baker Hughes business
12:21	12:34	100	Determination of Focal Spot Size of Micro-Focus X-ray Tube Using Edge Response Analysis	Mrs Ritu	BARC
12:34	12:47	152	Scaling Features, Not Pixels: Lightweight High-Resolution Defect Segmentation for Industrial Radiography Using Feature Upsampling	Mr Soumendra Dhanee	VJ Imaging Technologies Private Limited
12:47	13:00	154	Quantitative Comparison of Density Variations in Film, Computed, and Digital Radiography of Aluminium Alloy 2219 for Aerospace Applications	Mr Kamesh guru	ISRO PROPULSION COMPLEX,MAHENDRAGIRI
13:00	13:07	228	AI-Driven Transformation of Radiographic NDE: Advancing Automation and Accuracy in Industrial X-ray Inspection	Chakravartthy B V	Visi Consult Private Limited
13:07	13:14	233	Deep Vision-Based Automated (DVA) Detection of Weld Defects in Radiographic Imaging	Mrs Rini PL	Indian Institute of Technology Madras

Multi NDE, NDE Sensors and Instrumentation

12th December 11:30 to 13:14

Session Number	1E				
Hall	Bose (205B)				
Session Chairperson	Sarmishtha P Sagar				
Start Time	End Time	Paper ID	Paper Title	Name of Speaker	Organisation Name
11:30	11:55	LT171	Ultrasonic guided and bulk wave techniques of a simultaneous concept for detecting fuel mixture composition and its properties	Prof Suresh Periyannan	NIT Warangal
11:55	12:08	120	Dual-Mode Excitation of Multifunctional Chevron Electromagnetic Acoustic Transducer	Dr Ambuj Kumar Gautam	Osaka University, Osaka, Japan
12:08	12:21	127	Robotics-Enabled Subsea NDE - Empowering Industrial Excellence Through Intelligent Inspection	Mr Christopher Do	IEV GROUP SDN BHD
12:21	12:34	156	Ultrasonic temperature sensor development for measuring furnace temperature using ToF and Frequency shifts	Mr S R V NARSAIAH S	National Institute of Technology, Warangal
12:34	12:47	160	Design and fabrication of elastic lens for focusing of circular crested ultrasonic guided waves	Mr Lokesh Sonkar	IIT Bhilai
12:47	12:54	190	handheld xrf(PMI) for Power and oil gas sector	Mr kartik parmeshwaran	evident scientific india pvt ltd
12:54	13:01	203	Additive Manufacturing of CsI:TI Scintillator Films and Their Non-Destructive Analysis Using Pulse Shape Discrimination in Mixed Radiation Environments	Mr Divya Pandya	Pandit Deendayal Energy University

NDE for Pipeline Integrity and Leak Detection

12th December 14:00 to 15:45

Session Number	2A				
Hall	Raman (204A)				
Session Chairperson	M R Bhat				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 05	Marriage Made Underground - Pipelines and DAS	Dr Balaji Srinivasan	IIT Madras
14:25	14:38	114	Challenges in Leak Identification in the Liner of Urea Reactor in Fertilizer Plants	Mr Amit Kumar Mishra	HINDUSTAN URVARAK & RASAYAN LIMITED
14:38	14:51	177	Limitation and Effect of Permeation through O ring joints during Helium Leak Testing of Large Volume Vessels	Dr Venkat Natesan Ramani	Plasma and Vacuum Technologies
14:51	15:04	180	Detection of internal flaws during periodical check on cage suspension gear components used in underground mines	Dr Bhagirath Ahirwal	CSIR-Central Institute of Mining & Fuel Research
15:04	15:17	189	Long-Distance Video Borescope for Piping Systems and Heat Exchangers Tubes Visual Inspection	Mr Shobhit Verma	Evident India
15:17	15:30	222	Issues Related to NDT Selection and use in the process equipment and piping	Mr Vemuri Padmanabha Sastry	Asset Integrity and Materials Engineering Services
15:30	15:37	161	Fiber-Optic Distributed Sensing System for Real-Time Acoustic, Strain, and Temperature Monitoring	Mr SANIDHYA CHATURVEDI	IIT MADRAS
15:37	15:44	278	Machine Learning Systems for Pipeline Monitoring using Distributed Acoustic Sensing Data	Nandhakishore C S	IIT Madras

NDE in Nuclear Industry

12th December 14:00 to 15:45

Session Number	2B				
Hall	Kalam (204 B)				
Session Chairperson	MT Shyamsunder				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 06	Recent developments in NDE for fast breeder nuclear programme	Anish Kumar	IGCAR
14:25	14:38	52	Detection and Characterization of Hydrogen Induced Cracks in Exchange Towers of Heavy Water Plant using Ultrasonic Phased Array Technique	Mrs JOTHILAKSHMI N	Bhabha Atomic Research Centre
14:38	14:51	96	Eddy Current Testing Technique for Detection of Multi-Oriented Flaws in Calandria Tubes of Indian PHWRs	Mr Harsh Madhukar Bapat	Bhabha Atomic Research Centre
14:51	15:04	194	Experiences of Quality Assurance during Manufacturing of Inconel 625 Welded Disc Bellows for Nuclear Application	Mr E Ramesh	Indira Gandhi Centre for Atomic Research
15:04	15:17	200	Enhanced Detection of Tubesheet Region Flaws in Steam Generator Tubes Using an Array-Based Eddy Current Methodology	Mr Praveen D Bhosale	Nuclear Power Corporation of India Ltd
15:17	15:30	208	Phased Array Ultrasonic Testing (PAUT) application in Indian Nuclear Power Plants	Mrs sushmita sethi	Nuclear Power Corporation of India Limited
15:30	15:37	187	Conventional and Advanced NDE Technique Applications in Nuclear Power Plants- Pressurized Heavy Water Reactors (PHWRs)	Mrs Anisha Bhatnagar	Nuclear Power corporation of india limited
15:37	15:44	205	Quality assurance of dissimilar welds of titanium with stainless steel in nuclear piping facility	Mr Mohan Jayaraman	Indira Gandhi Centre For Atomic Research

Guided Wave Ultrasonics

12th December 14:00 to 15:45

Session Number	2C				
Hall	Bhabha (202)				
Session Chairperson	Gangadharan Raju				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 07	Dual-mode FPGA-based structural health monitoring (SHM) and non-destructive testing (NDT) system for ultrasonic guided wave inspection of pipes	Prof. Siddharth Tallur	IIT Bombay
14:25	14:38	103	Frequency-Dependent Behavior of Dual-Mode Second Harmonics in Nonlinear Guided Waves	Dr Krishnadas V K	Centre for NDE, Indian Institute of Technology Mad
14:38	14:51	105	Development of a Transducer Ring for Torsional Guided Wave NDT in Pipelines	Dr M.M. Narayanan	Federal Institute for Material Research and Testing
14:51	15:04	178	Design & Development of Conical Waveguide for Non-Intrusive Ultrasonic Flow Meter	Mr Yashaswi	Bhabha Atomic Research Centre, Mumbai
15:04	15:17	204	Effect of tensile stress on nonlinear output response of ultrasonic guided wave propagating in plate with closed crack	Mr Alok Kumar	Bhabha Atomic Research Centre, Mumbai
15:17	15:30	245	Application of the Staggered EMAT to Generate Helical Guided Wave in Pipe Structures	Mr Pranaydeep Garewal	Indian Institute of Technology Madras, Chennai
15:30	15:37	119	Synthetic generation of ultrasonic guided wave signals using conditional Wasserstein GAN with gradient penalty	Mr DUMMU VAMSI	INDIAN INSTITUTE OF TECHNOLOGY, BHILAI
15:37	15:44	266	Coherence-Based Guided Wave Imaging for Reliable Inspection of Thin-Walled Structures	Mr Kaushal Bachhav	Center for Non Destructive Evaluation, IIT Madras

Magnetic and Electromagnetic NDE

12th December 14:00 to 15:45

Session Number	2D				
Hall	Sarabhai (205A)				
Session Chairperson	Arbind Kumar				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 08	Magnetization Mechanisms and Processes for the Non-Destructive Evaluation of Ferromagnetic Steel Parts	Benjamin Ducharne	INSA- Lyon, France
14:25	14:38	76	Comparative Evaluation of Magnetization and Demagnetization Techniques in Magnetic Particle Inspection	Mr Ritvik Arora	Arora Technologies (P) Limited
14:38	14:51	89	Characterization Of False Surface Indications In Magnetic Particle Testing Of Pipes: A Case Study On Mechanical Entrapment And Cross-Verification Using Penetrant Testing And Complementary NDT Techniques	Mr PINTUKUMAR PRAVINBHAI PATEL	L&T Energy-Hydrocarbon, MFF Hazira, Gujarat, India
14:51	15:04	150	Multi-Year MFL Inspection Study of Wire Ropes in Passenger Ropeway: Detection of Internal Degradation and Localized Wear Patterns	Mr Sachchak Waghmare	CSIR – Central Institute of Mining and Fuel Research
15:04	15:17	215	Automated Flaw Detection in Eddy Current Signals Using 1D Convolutional Neural Networks	Mr Tikesh Kumar Sahu	Indira Gandhi Centre for Atomic Research Kalpakkam
15:17	15:30	246	Optimizing Eddy Current Testing Using Particle Swarm Algorithm for Accurate Aircraft Structural Health Monitoring	Dr Joseph J Kakkassery	Vel Tech Rangarajan Dr. Sagunthala R&D Institute
15:30	15:37	272	Design and Development of High-Temperature Bulk Wave EMAT Sensors with Magnetic Flux Concentration for Ultrasonic Inspection	Mr PAWAN KUAMR PANDEY	CNDE , IIT Madras

Acoustic Emission

12th December 14:00 to 15:45

Session Number	2E				
Hall	Bose (205B)				
Session Chairperson	Saptarshi Sasmal				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 09	Acoustic Emission and Digital NDE: Advancing Predictive maintenance and industrial reliability	Sakshi Sharma	Dover Corporation
14:25	14:38	68	Experimental Investigation of Leak Detection in Pressure Tubes of PHWR	Mr MD TIPU SULTAN	Homi Bhabha National Institute & RED, BARC
14:38	14:51	159	An Experimental Investigation of Surface Crack Propagation in ESR 15CDV6 Steel Using Waveform and Wavelet Based Acoustic Emission Signal Processing	Mr BINU B	Vikram Sarabhai Space Centre, ISRO, Trivandrum
14:51	15:04	186	Acoustic Emission Characterization of Crack Initiation and Propagation in Thin Aluminium Alloy under Static Tensile Loading	Ms Fakiha Khatun	CNDE, INDIAN INSTITUTE OF TECHNOLOGY MADRAS

NDE of Composites
12th December 16:00 to 17:45

Session Number	3A				
Hall	Raman (204A)				
Session Chairperson	Balaji Srinivasan				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 10	DEEP LEARNING BASED DAMAGE CHARACTERIZATION IN CFRP COMPOSITES USING ACOUSTIC EMISSION TECHNIQUE	Prof Gangadharan Raju	IIT-Hyderabad
16:25	16:38	109	A Novel Thermographic Approach for Testing and Evaluation of Carbon Fibre Reinforced Polymers	Mr Suresh Kumar Bhambhu	InfraRed Imaging Laboratory (IRIL), Centre for Sen
16:38	16:51	116	Early Damage Detection in Bent Composite Pipes Using Ultrasonic Guided Wave-Based Structural Health Monitoring	Dr Akshay Prakash Kalgutkar	Department of Civil Engineering, Aalto University
16:51	17:04	128	A Novel Approach for Detection of Envelope in Frequency Modulated Thermal Wave Imaging for Testing and Evaluation of Glass Fibre Reinforced Polymer	Ms Priyanka Das	Indian Institute of Technology Delhi
17:04	17:17	153	Scattered Delamination Study on CFRP Unidirectional and Bidirectional Prepreg Skin Sandwich by Pulsed Thermography	Mr SOBHANAN M B	National Institute of Technology, Thiruchirappalli
17:17	17:24	107	Rectangular Cavity Resonator Sensor for Non-Destructive Measurement of Coating Thickness on FRP Composites	Ms Tannu Anand Ramteke	Visvesvaraya National Institute of Technology Nagp
17:24	17:31	110	Coded Excitation-Based Active Thermography for Improved Defect Detection in GFRP Composites	Mr Ishant singh	Indian Institute of Technology Delhi
17:31	17:38	274	A framework to Evaluating Anisotropic Material Properties for CFRP using Ultrasonic Polar Scan Technique	Mr Shivam Lashkan	Center for Non Destructive Evaluation, IIT Madras

Imaging in NDE

12th December 16:00 to 17:45

Session Number	3 B				
Hall	Kalam (204 B)				
Session Chairperson	PVS Kurmanath				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 11	Small Scale Testing using Digital Image correlation for Accelerated Qualifications of Additively Manufacturing in Gas Turbines	Deepa Srinivasan	BHGE
16:25	16:38	36	Full-field metrics for damage detection: a case-study involving glass fiber composite	Dr Amar Peshave	MatchID NV
16:38	16:51	122	Advancements on Image Quality Measurements Tools	Mr Sheri George	Waygate Technologies
16:51	17:04	133	Innovative Imaging and Acquisition Techniques for Weld Evaluation with High Speed Phased Array Systems	Mr Tibin Thomas	TPAC India
17:04	17:17	234	Paradigm shift in PAUT: Redefining the Ultrasound Imaging Using Custom Phased Array Excitation	Mr Setu Thacker	Centre for NDE, IIT Madras, Chennai
17:17	17:30	240	Quantitative assessment of imaging performance in digital detectors for high energy X-ray radiography using Modulation Transfer Function analysis	Mr Susheel Patil	Sathish Dhawan Space Center-ISRO, Sriharikota
17:30	17:37	216	Studies on radiation shielding properties of heavy weight concrete using X-ray radiography	Mr BAGAVATHIAPPAN S	Non-Destructive Evaluation Division, Metallurgy an
17:37	17:44	279	Development of Machine Vision Systems for Automatic Dimensional Measurement of Tooling for Cold Pilgering	Satish Kumar. P	NFC Hyderabad

NDE for Structural Integrity and Health Monitoring - I

12th December 16:00 to 17:45

Session Number	3 C				
Hall	Bhabha (202)				
Session Chairperson	Anish Kumar				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 12	NDE for Health Monitoring of Advanced Composite Aerospace Structures – Some Practical Challenges	M R Bhat	IISc Bangalore
16:25	16:38	48	Modern approaches for Industrial simultaneous high-capacity examination of plates and coils both for hard spots and laminations by hybrid UT+EC probes. Practical aspects of application, certification and calibration	Dr Andrej Kirikov	Nordinkraft AG
16:38	16:51	85	Comprehensive Integrity Evaluation of Reformer Tubes in Hydrogen Generation Unit	Mr Ashish kumar singh	Indian Oil Corporation Limited, Mathura Refinery
16:51	17:04	167	Advancing Structural Health Monitoring of Heritage Masonry through Fiber Bragg Grating Sensors	Ms Hina Gupta	CSIR-Central Building Research Institute, Roorkee
17:04	17:17	185	Reducing False Calls in HTHA Inspection through PCI	Mr Ajay Bhatt	Evident
17:17	17:30	267	Need for specific acceptance criteria for Liquid Penetrant Examination (PT) of Tube to Tubesheet Weld Joints.	Mr Swapnil Bhosale	Reliance Industries Limited
17:30	17:37	151	Progressive Failure Analysis and Real-Time Damage Monitoring of GFRP Composites under Fatigue Loading	Mr HITESH MISHRA	NIT Rourkela
17:37	17:44	271	NDE Requirements in Fabrication of Temperature Swing Adsorber Vessels	Dr Kamal Harikrishna Dhandha	TUV India Pvt. Ltd.

AI in NDE

12th December 16:00 to 17:45

Session Number	3D				
Hall	Sarabhai (205A)				
Session Chairperson	Christophe Reboud				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 13	Role of Generative AI in NDE	Baishali Garai	RV University
16:25	16:38	55	Towards Intelligent Quality Control: AI-Based Defect Detection in Small-Scale Objects	Mr AYUSH KAPOOR	BHABHA ATOMIC RESEARCH CENTRE
16:38	16:51	63	AI-Enabled Inspection Workflow Automation for Aircraft Engine Borescope Inspections	Mr Bismillah Kani	Waygate Technologies
16:51	17:04	136	Multimodal Deep Learning Framework for Crack Segmentation in Complex Components Using Robot-Assisted Laser Thermography	Ms Sruthi Krishna Kunji Purayil	Federal Institute for Materials Research and Testing
17:04	17:17	146	Digital Transformation: Cloud based Data Management and AI for NDT inspection	Mr Manit Kant	Waygate Technologies
17:17	17:30	241	Grain Orientation Prediction using Thermal Images and AI	Mrs Nishi Bhemani	IIT Madras
17:30	17:37	91	Physics informed neural network (PINN) to estimate the defects in CFRP sample using lock-in (LT) Thermography.	Ms Jasleen Kaur	Indian Institute of Technology Delhi
17:37	17:44	236	AI for Ultrasonic Testing (UT) in Non-Destructive Evaluation	Neelam Bhagasra	Baker Hughes

Reliability, POD, RBI, QA and QC

12th December 16:00 to 17:45

Session Number	3E				
Hall	Bose (205B)				
Session Chairperson	Deepesh Vimalan				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 14	Role of NDT in Risk Based Inspection	Vemuri P Sastry	Former Reliance
16:25	16:38	49	Assessment of Uncertainty in Ultrasonic Testing of Composites: A Case Study	Dr Chetan Ashok SOmani	The Maharaja Sayajirao University of Baroda
16:38	16:51	61	Application of Ultrasonic Testing for Qualification of Buttering in Dissimilar Welds of a Heat Exchanger- A Case Study	Mr MOHD ZAHID HUSSAIN	BHABHA ATOMIC RESEARCH CENTRE MUMBAI
16:51	17:04	70	EXPERIENCES IN QA & INSPECTION DURING FABRICATION OF EXPANSION TANK IN FAST BREEDER REACTOR APPLICATIONS	Mr Kaliamoorthy. G	Department of Atomic Energy
17:04	17:17	72	Reliability Assessment of Canned Motor Pump End Bell Forgings	Mr ANOOP SINGH	Nuclear Power Corporation of India Limited
17:17	17:30	81	Quality Assurance Experiences during Procedure Qualification for Stellite-6 hard facing on small bore FBR components	Mrs ALKA KUMARI	IGCAR KALPAKKAM
17:30	17:37	183	PROCEDURE QUALIFICATION OF LAS GRADE 5 WELDS WITH LAS CONSUMABLES (EB6) FOR - 15°C IMPACT PERFORMANCE	Mr. P Premkumar	Precision Equipments Chennai Pvt Ltd
17:37	17:44	269	Achieving Equivalency of Digital/Computed Radiography methods to Film Radiography for Welds	Mr Anmol Birring	Birring NDE Center, Inc.

Microwave and THz NDE

13th December 11:30 to 13:15

Session Number	4A				
Hall	Raman (204 A)				
Session Chairperson	PVS Kurmanath				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
11:30	11:55	IT 15	Advances in Non-Destructive Evaluation of Composite Structures : A Multimodal Perspective	Dr K Srinivas	Advanced Systems Laboratory, DRDO, Kanchanbagh PO
11:55	12:08	74	Towards Efficient THz Image Analysis: Comparing Transformer and CNN Architectures	Mr Rishi Ranjan	CSIR-Central Electronics Engineering Research Inst
12:08	12:21	97	Exploring Image Stitching Methods for Terahertz Images	Mr Rishi Ranjan	CSIR- Central Electronics Engineering Research Ins
12:21	12:34	224	Non-Destructive Evaluation of MDPE Pipe Welds Using Terahertz Time-Domain Imaging	Mr Nitin Balajee Ravi	TeraLumen Solutions Pvt. Limited
12:34	12:47	225	Multilayer Thickness Measurement of Thermal Barrier Coatings on CFRP materials using Deconvolution-Based Signal Processing for THz systems	Mr Nitin Balajee Ravi	TeraLumen Solutions Pvt. Limited
12:47	13:00	232	Non-Destructive Characterization of High-Energy Materials Using Terahertz Techniques	Dr Koalla Rajesh	DIA-CoE, University of Hyderabad

Automation, Robotics, AI/ML and NDE 4.0

13th December 11:30 to 13:15

Session Number	4B				
Hall	Kalam (204 B)				
Session Chairperson	Ripi Singh				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
11:30	11:55	IT 16	The Role of NDE in Digital Twins	Dr. MT Shyamsunder	Azeriri
11:55	12:08	32	ROBOTIC INSPECTION OF INDUSTRIAL ASSETS – CASE STUDIES	Mr Sahab Gurjar	PetroBot Technologies Pvt Ltd
12:08	12:21	34	Application of Multi-Degree Hybrid Kinematic Hanging Accubot for Ultrasonic Inspection of Aircraft Fuselage and Critical Components.	Mr Ashutosh Kumar	Fill GmbH, Austria
12:21	12:34	53	UltraBoT: A Multifunctional Robotic Solution for Ultrasonic and Visual Inspection of Kilns, Tanks, and Boiler Waterwalls	Mr UMANG GOSWAMI	IRC ENGINEERING SERVICES PRIVATE LIMITED INDIA
12:34	12:47	64	Green Energy Transformation and Need of Automated NDT	Mr Sujit Chakravarty	Velosi (M) Sdn. Bhd.
12:47	13:00	137	A FAST VERTICAL AND HORIZONTAL HISTOGRAM BASED TEXT DETECTION IN RADIOGRAPHY WELD IMAGE	Dr Archana S	SASTRA University
17:30	17:37	149	Guided Wave-Based Damage Detection Using Machine Learning Algorithms.	Mr Raj Srivastava	IIT Roorkee
17:37	17:44	221	AI-Enabled Drone Systems for Advanced Non-Destructive Evaluation (NDE)	Sailaja Sahoo	NDT TCIS Pvt. Ltd.

Regulations, Human Intelligence and NDE

13th December 11:30 to 13:15

Session Number	4C				
Hall	Bhabha (202)				
Session Chairperson	Divakar Joshi				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
11:30	11:55	IT 17	Towards a new model for considering organizational and human factors in nondestructive testing. Application to radiographic testing	Dr. Moysan	Aix-Marseille University
11:55	12:20	IT 18	NDE research and innovation -. is commonsense a friend or a foe?	Dr. Deepesh	BHEL, Trichy
12:20	12:33	42	Automated decision-making process for NDE – A perspective from Lloyd’s Register as a Regulatory Body.	Mr Peter Amin	Lloyd's Register
12:33	12:46	239	ASME Section - V Edition 2025 Code Changes	Mr Shreeniwas Prakash Deodhar	QInsight Consol Private Limited
12:46	12:59	277	NDT Training needs for inspecting Aerospace Composites	Navita Gupta	Satyakiran Institute

Infrared Thermography - II

13th December 11:30 to 13:15

Session Number	4D				
Hall	Sarabhai (205A)				
Session Chairperson	Vanita Arora				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
11:30	11:55	IT 19	Role of Artificial Intelligence in Thermal Imaging for Disease Diagnostics	Shruti Bharadwaj	IIT Delhi
11:55	12:08	112	Evaluation of Thermal Excitation and Data Processing Techniques for Enhanced Defect Detection in CFRP Composites	Mr Ishant singh	Indian Institute of Technology Delhi
12:08	12:21	145	Thermal Non-Destructive Inspection of Metals using Advanced Signal Processing	Mr Suresh Kumar Bhambhu	InfraRed Imaging Laboratory (IRIL), Centre for Sen
12:21	12:34	206	Determination of Thermal Diffusivity using Thermography	Mr Kumar Jaideep	Bhabha Atomic Reaseach Centre
12:34	12:47	252	Thermography analysis of ultrasonically welded thermoplastic composites	Dr Anshul Sharma	Department of Aerospace Structures and Materials,
12:47	13:00	255	Adhesive Bond - Debonding Analysis at the Shaft-Composites Interface of Archimedes Spiral Wind Turbines by Thermal Imaging	Mr Surya prakash Gajjala	Gitam University
17:30	17:37	175	Non-destructive evaluation of Chromium coating on EN24 steel substrate using ultrasonic and thermographic techniques	Mr Anand Parmar	Department of Mechanical Engineering, Amrita Schoo
17:37	17:44	199	Evaluation of Tensile Behaviour of Aluminum Using Infrared Thermography	Mr KRITHIK KRISHNA K	Centre for NDE, Indian Institute of Technology Mad

Modelling and Simulation, Simulation Assisted AI

13th December 11:30 to 13:15

Session Number	4E				
Hall	Bose (205B)				
Session Chairperson	Ravibabu Mulaveesala				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
11:30	11:55	LT 243	Integration of Ultrasonic Testing and Simulation Data Using Sinusoidal Fuzzy Logic for UAV Wing Defect Prediction	Dr Joseph J Kakkassery	Vel Tech Rangarajan Dr. Sagunthala R&D Institute
11:55	12:08	131	Modeling and simulation of speed control mechanism of IPIGs for gas pipelines	Mr Debmalya Mukherjee	Bhabha Atomic Research Centre
12:08	12:21	157	Numerical Study of Laser-Generated Ultrasonics in Metals for Advanced Non-Contact Inspection	Dr Udit Pant	Indian Institute of Technology Madras
12:21	12:34	242	Numerical simulation and validation of ultrasonic wave propagation in a strip waveguide with various geometric reflectors using FDTD in MATLAB.	Mr Samyak Wankhade	National Institute of Technology Warangal
12:34	12:47	275	Plane-Wave Time-Reversal Imaging of Defects in Austenitic Stainless Steel Weld Joint	Deepak Patel	IGCAR
12:47	12:54	217	Numerical Investigation of Pressure wave Attenuation in Fluid-Tube System: A Parametric Study	Ms PRIYANKA M	National Institute of Technology, Tiruchirappalli
12:54	13:01	231	Physics-Informed Neural Network for Efficient simulation of Ultrasonic Wave Dynamics	Mr SUDHANSHU YADAV	NDX Lab IIT Hyderabad
13:01	13:08	280	Time- Frequency Domain Based Ultrasonic Technique for flaw Characterization in Thin Wall Tube End Plug Welds	Altaf Ali	NFC Hyderabad

NDE Systems, Instrumentation and Automation

13th December 14:00 to 15:45

Session Number	5A				
Hall	Raman (204A)				
Session Chairperson	Siddharth Tallur				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	LT 227	High-performant automated testing machines for wall thickness and geometry measurements of tubes and pipes	Mr Siva	BakerHughes
14:25	14:38	47	Development and Validation of an Advanced Ultrasonic Phased Array Inspection System for the Automated Testing of Seamless Steel Pipes in Production Lines	Dr Sanjeevareddy Kolkoori	Rosenxt IDS GmbH Germany
14:38	14:51	80	Development of a tool for aided visual examination at inaccessible area	Mr RAMESH P	IGCAR
14:51	15:04	155	Development of a Real-Time Ultrasonic Sensing technique for Measuring the fluid level in a long fluid tank	Mr Chetla Venugopal	National Institute of Technology, Warangal
15:04	15:17	250	Technology Landscaping of Inspection Micro-bots	Mr Ayush Chauhan	GE Aerospace Research
15:17	15:30	251	Automated Identification of Subsurface Fruit Bruises through Thermal Imaging	Dr Shruti Bharadwaj	Indian Institute of Technology Delhi
15:30	15:37	118	Dual-mode FPGA-based structural health monitoring (SHM) and non-destructive testing (NDT) system for ultrasonic guided wave inspection of pipes	Ms Sheetal Patil	IIT Bombay
15:37	15:44	276	Autonomous Drone-Based Surveillance for Pipeline and Underground Asset Monitoring	Mugdha Joshi	IQS

Advanced Ultrasonics - PAUT, FMC, TFM

13th December 14:00 to 15:45

Session Number	5B				
Hall	Kalam (204 B)				
Session Chairperson	Phani Mylavarapu				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 20	Deep Learning Framework for TFM Imaging in Non-Destructive Evaluation.	Thulsiram Gantala	IITH
14:25	14:38	50	Phased Array Ultrasonic Testing(PAUT) of Wind Turbine Blades	Mr Kalimullah Khan	Professional Testing & Inspection Solutions
14:38	14:51	196	Comparative study on over 150m of welded joints using established (PA/TOFD) and emerging (PCI/TFM) ultrasonic imaging methods	Mr Dennis Chai	Evident Inspection Technologies
14:51	15:04	207	Phased array ultrasonic testing of an elbow joint of power plant	Mr Kumar Jaideep	Bhabha Atomic Reaseach Centre
15:04	15:17	209	High-Resolution Defect Imaging in Additive Manufactured SS samples via Frequency-Optimized FMC/TFM Phased Array Ultrasonic Techniques	Mr A VISWANATH	Non Destructive Evaluation Division, Metallurgy an
15:17	15:30	268	Optimal design of a matrix phased array with a Fermat spiral layout for volumetric ultrasonic imaging using Total focusing method.	Dr Dmitry Dolmatov	National Research Tomsk Polytechnic University
15:30	15:37	218	Phased Array Ultrasonic Testing for In-situ High Temperature Evaluation of Solidifying Steel during continuous casting Process.	Mr KARTIK RAMESH PAGE	Indian Institute Of technology Madras
15:37	15:44	219	Advanced Phased Array Ultrasonic Imaging Using Sign Coherence Factor for Weld Inspection	Mr Himanshu Saini	NDX Lab, IIT Hyderabad

NDE for Structural Integrity and Health Monitoring - II

13th December 14:00 to 15:45

Session Number	5C				
Hall	Bhabha (202)				
Session Chairperson	Christian Boller				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 21	Next Gen SHM: Distributed Fibre Optic Sensing from Lab-scale to Flight-scale	Amitabha Datta	NAL
14:25	14:38	41	Ultrasonic Evaluation of Indian Railway Tracks and Welds: Challenges, Advancements and Future Road Map .	Mr Vishwajeet Bhattacharya	Deputy Director/M&C ,RDSO , Lucknow
14:38	14:51	143	Innovations in Magneto-impedance Sensing Device for Industrial Applications	Dr ASHIS KUMAR PANDA	CSIR-National Metallurgical Laboratory, Jamshedpur
14:51	15:04	147	Characterization of Structural Frequencies leveraging Accelerometer Output Responses using Signal Decomposition Method with potential application in Structural Health Monitoring (SHM)	Mrs VIDYALAKSHMI R	Indira Gandhi Centre for Atomic Research, Kalpakka
15:04	15:17	168	Experimental Evaluation of Settlement-induced Damage in Heritage and Masonry Elements Using DIC Techniques	Ms Hina Gupta	CSIR-Central Building Research Institute, Roorkee
15:17	15:30	254	Thermal Imaging for Predictive Maintenance and Optimization of Rooftop Spiral Wind Turbines in Urban Environments	Mr Surya prakash Gajjala	Archimedes Green Energys Pvt Ltd
15:30	15:37	102	Plate Damage Detection Based on Soft-Coupled PZT Sensors and Probabilistic Imaging	Ms Khushboo Kanwar Rathore	Indian Institute of Technology Jammu, Jammu
15:37	15:44	262	Multi-modal data acquisition and hybrid sensing framework for damage and Integrity evaluation in structural assemblies	Dr Srikanth Korla	National Institute of Technology Warangal

NDE for Aerospace Structure and Systems

13th December 14:00 to 15:45

Session Number	5D				
Hall	Sarabhai (205 A)				
Session Chairperson	K Srinivas				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 22	Advanced NDE methods for large Solid Rocket Motors	PVS Kurmanath	SHAR ISRO
14:25	14:38	51	Sub-surface Defects Estimation of Additively Manufactured Alloy Using Pulsed Thermography and Laser Shearography Techniques	Mr Remakanthan S	VSSC,ISRO
14:38	14:51	94	Evaluation of Interface Bonding Defects in Propellant-Based Igniters Using Computed Tomography	Mr BINU O	Vikram Sarabhai Space Centre, ISRO, Thiruvanantha
14:51	15:04	98	Non-destructive evaluation of 60mm thick MIG weldjoint for its usage at 8mm thickness for critical aerospace application	Mr Sambamurthy enugula	Vikram sarabhai space centre
15:04	15:17	176	Non-Destructive Ultrasonic Evaluation of Low-Weight Composite Thermal Protection Systems for Re-Entry Missions	Mr Austin C	VSSC/ISRO

NDE for Civil Infrastructure / Concrete - II

13th December 14:00 to 15:45

Session Number	5E				
Hall	Bose (205B)				
Session Chairperson	Saptarshi Sasmal				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
14:00	14:25	IT 23	Acoustic Emission Testing of Concrete: Precursors for Detecting Impending Fracture Using Natural Time Analysis	R Vidyasagar	IISc Bangalore
14:25	14:38	38	Acoustic Material Testing – for Measurement of structural health or hollow layers in Concrete elements	Mr Jörg Ritter	RTE Transweigh India Pvt. Ltd.
14:38	14:51	134	Characterization of Concrete Tunnel Lining using GPR	Mr Avinash kumar yadav	Academy of Scientific and Innovative Research (AcS
14:51	15:04	164	Condition Monitoring of Masonry Structures with Artificial Defects Using Non-Destructive Evaluation Techniques	Dr Debdutta Ghosh	CSIR-CBRI
15:04	15:17	247	Evaluation of Self-Healing in Concrete Micro-Cracks Using Ultrasonic and CT-Scanning-Based Non-Destructive Techniques.	Ms MADHUMITHRA E	1. Academy of Scientific and Innovative Research,

Radiation Based NDE

13th December 16:00 to 17:45

Session Number	6A				
Hall	Raman (204A)				
Session Chairperson	PR Vaidya				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 24	Synchrotron radiation an emerging tool for Non-Destructive assessment of stress and micro-structure in engineering components	Sanjay Kumar Rai	RRCAT
16:25	16:38	73	Automation in XRay Acquisition through Automatic filter changer, 1-Click acquisition and QR Code support	Mr Sheri George	Waygate Technologies
16:38	16:51	83	Digital Radiography for Non-destructive Evaluation of Nuclear-Grade Radiation Shielding Concrete	Dr Lakshminarayana	Bhabha Atomic Research Centre
16:51	17:04	99	Neutron Radiography as a Nondestructive tool for Quantitative Hydrogen Profiling in Zirconium Alloys	Dr shefali shukla	BHABHA ATOMIC RESEARCH CENTRE
17:04	17:17	202	Photon Counting Detector for Industrial Application and Comparison with Conventional CT	Mrs Lenka Bhargavi	GE Research

NDE for Metallic Components

13th December 16:00 to 17:45

Session Number	6B				
Hall	Kalam (204 B)				
Session Chairperson	Joseph Moysan				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 25	NDE Challenges in Next-Gen Nickel & Titanium Alloys	Phani Mylavarapu	DMRL-DRDO
16:25	16:38	43	Ensuring Component Integrity in Thermal Power Plants: The Role of Advanced NDE During Energy Transition	Dr Avijit Mondal	NTPC LIMITED
16:38	16:51	69	Ultrasonic Characterization of Cold working in Austenitic Stainless Steel material	Mr RAKESH KUMAR PAL	Bhabha Atomic Research Centre
16:51	17:04	84	Residual Stress Measurement by Hole-Drilling Method on Heavy Rotor Shaft Forgings of 30CrMoNiV5-11 Material as per ASTM E837	Mr Iranappa Manthale	Larsen and Toubro Special Steels and Heavy Forging
17:04	17:17	174	Microwave NDE Method For Detecting Disbonds in Adhesively Bonded Silica-Metal Structures	Dr K Srinivas	Advanced Systems Laboratory, DRDO, Kanchanbagh PO
17:17	17:30	260	Stress assessment of HSS steels using X-ray diffraction (XRD) and magnetic Barkhausen (MBN) measurements: correlation and synergy	Mr Luigi Pisani	GNR
17:30	17:37	65	DGS Technique in Raw Material Inspection	Mr Sanket Sunil Kare	Tecnimont Pvt Ltd
17:37	17:44	273	Challenges in Ultrasonic Testing of High-Thickness Forgings: A Practical Perspective	Mr RAHUL BHUVA	L&T Special Steel and Heavy Forging

Laser Based NDE Techniques

13th December 16:00 to 17:45

Session Number	6C				
Hall	Bhabha (202)				
Session Chairperson	Bala Pesala				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 26	Laser Shearography of Launch Vehicle Structures	S Hariskirshna	VSSC ISRO
16:25	16:38	138	Short-pulsed laser-based ultrasound generation for defect detection in ablative and non-ablative regimes	Dr SOORAJ S	Centre for Non-destructive Evaluation and Departme
16:38	16:51	140	Baseline-Independent Damage Imaging by Curvature-Enhanced, Wavelet-Filtered RMS Fusion	Ms Aparna Aradhye	CSIR-National Aerospace Laboratories, Bengaluru, I
16:51	17:04	263	Forced Vibration Assisted Laser Speckle Analysis for Detection of Bolt Looseness	Mr Sarthak Vinod Atkare	National Institute of Technology Warangal
17:04	17:17	264	Numerical and Experimental Characterization of Laser Shock Peening Induced Residual Stress	Mr Aryendra Singh	DMRL
17:17	17:30	270	Non-contact baseline-free technique for flaw detection in pipelines using laser vibrometry	Dr Kannusamy M	CSIR - Structural Engineering Research Centre

Advances in Ultrasonic NDE

13th December 16:00 to 17:45

Session Number	6D				
Hall	Sarabhai (205 A)				
Session Chairperson	K Srinivas				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 27	Advances in Non-Destructive Testing for Next-Generation Batteries	Nishal Ramdas	Azeriri
16:25	16:38	35	Critical Application of Advanced Ultrasonics in the Oil & Gas Industry	Mr Dheeraj	Oceaneering
16:38	16:51	135	Advanced corrosion Mapping and Accurate UT Sizing of Remaining Wall Thickness	Sandeep Murjani	TPAC
16:51	17:04	139	Low-cycle fatigue damage detection in dissimilar welded joints using a Rayleigh wave-based nonlinear ultrasonic frequency mixing	Dr Minati Kumari Sahu	CSIR NML Jamshedpur
17:04	17:17	191	Advances in Automated Ultrasonic Testing for Pipeline Girth Welds	Mr Prasanth Geddani	Evident Singapore
17:17	17:30	265	Standardization for Non-Destructive Evaluation Procedure for Extruded Double Base (EDB) Propellant	Ms Ashwini Rakshe	High Energy Materials Research Laboratory, Pune
15:24	15:31	165	PRACTICAL CHALLENGES FOR ULTRASONIC TESTING	Mr Joshi Sagar	Asiatic Engineers
17:37	17:44	257	Noninvasive Acoustic Tomography for Thermal Mapping and Phase Transition Monitoring in Enclosed Materials	Dr abhishek saini	IIT Madras

AI Based ADR for NDE

13th December 16:00 to 17:45

Session Number	6E				
Hall	Bose (205 B)				
Session Chairperson	Amitabha Datta				
Start Time	End Time	Paper ID	Paper Title	Speaker Name	Organisation Name
16:00	16:25	IT 28	AI based Automatic Defect Recognition (ADR) for RT and PAUT for Weld Inspection	Siddharth Shankar	Dhvani AI
16:25	16:38	87	Exploring One-Dimensional Neural Networks for Pipeline Feature Detection Using MFL Signals	Mr Roshan Sahu	Bhabha Atomic Research Centre
16:38	16:51	90	SNR-Enhanced Two-Stage Infrared Framework for Automatic Defect Detection and Segmentation Fusion.	Ms Jasleen Kaur	Indian Institute of Technology Delhi
16:51	17:04	126	Defect Quantification and Classification using Frequency Modulated Thermal Wave Imaging for characterization of Glass Fibre Reinforced Polymer	Ms Priyanka Das	Indian Institute of Technology Delhi
17:04	17:17	214	Automated defect detection in magnetic flux leakage images using YOLO models	Mr B. Suman Raju	National Institute of Technology Tiruchirappalli
17:17	17:30	237	Automated Surface Defect Detection in Heritage Monuments using Machine Learning Techniques Integrated in user-friendly Mobile Application	Dr Debductta Ghosh	CSIR-Central Building Research Institute
15:24	15:31	230	Automated defect Recognition (ADR) for simulation assisted Microwave NDE images for Multilayered GFRP using Machine Learning.	Mr G Harshavardhan	NDX Lab Indian Institute of Technology Hyderabad

12-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	4:00 PM to 5:30 PM
Location	Hall - Jasmine 1 (Conference Hall)		
	O&G - Refinery	O&G - Advanced NDE in Oil & Gas - 1	
Oil & Gas	1 Ankita Trivedi Joshi Static Reliability Engineer Reliance Industries Limited Topic: Advanced Rover-Based Online Inspection of Tank	1 Dr. Tomasz Pialucha Director Guided Ultrasonics Ltd Topic: Corrosion Under Insulation – identification and sizing defects using GUL Screening, Scanning and Monitoring techniques	NDE 4.0
	2 PSN Swaroop Chief Manager Bharat Petroleum Corporation Ltd Topic: Role of Non-destructive Testing in CCR Coil for Coke Identification and Weld Radiography.	2 Shilpi Saha Senior Scientist, B.A.R.C Topic: Made in India, Proven in the Pipeline:Journey of Instrumented PIGs from Lab Innovation to Field Validation	
	3 Sudarshan Kumar Dy. General Manager IOCL, Panipat Refinery Topic: NDT the Backbone of Safety and Reliability In Petroleum Industry	3 K.S. Venkataraman Director Escon & Dhvani Group of Companies Topic: The 3P AI Framework for NDE 4.0	
	4 Chintan Shah Lead Static Inspection function NAYARA Energy Limited Topic: Inspection of Coke drums skirt inspection using PAUT and Boroscopy	4 Ankit Vajpayee Vice President Russell Group Topic: Remote Field Technology (RFT) - A Vital NDT Tool for Predictive Maintenance and Improving Reliability	
	5 Ankit Gopal Pandey Jt. Director (P&E) Ministry of Petroleum and Natural Gas Topic: Application of Non-Destructive Testing Technology to Enhance Integrity of Process Plant Assets	5 Fred Gabriëls Managing Director SonoInspec Topic: Non-Intrusive Inspections at high temperature	
		6 Pratik Patel Head - Mining, Energy and Power SGS India Private Limited Topic: Asset Integrity Management Services and Advance NDT	

12-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	4:00 PM to 5:30 PM
Location	Hall - 206 A		
	Nuclear	Thermal	
Energy & Power	1 Akkala Ramu Executive Director (QA) NPCIL Topic: Quality Assurance and Non-Destructive Evaluation during integrity assessment of Structures, Systems and Components (SSCs) at Nuclear Power Plants (NPPs)	1 Paresh Haribhakti Managing Director TCR Advanced Engineering Pvt. Ltd. Topic: Indications to Decisions: Effective NDT for FFS, RLA, and Asset Integrity	NDE 4.0
	2 Dr. Alok Mishra Country Director, Westinghouse India Topic: Westinghouse at the Leading Edge of Inspection Services for the Nuclear Industry	2 Anil Kumar Das Chief General Manager (CGM) NTPC Topic: Role of Advanced NDE for Power Plant Components with some Case Studies	
	3 Goran Pereš Director & Co-Founder RoboSpect Ltd. Topic: Advanced Robotic and Automated NDT Solutions for Nuclear Power Plants – From Development to In-Service Application	3 Manohar Krishna Asthana FORMER EXECUTIVE DIRECTOR (QA&I), NTPC Ltd Topic: Quality Challenges in Supercritical Topic: Ultra Supercritical Boilers in NTPC, application of Advanced NDT Techniques to mitigate those and Competency Development Drive in Welding & Advanced NDT in NTPC Limited	
	4 Roman Fernandez Deputy CEO, Extende Civa Topic: Driving Industrial NDT Innovation Through Simulation: Exploiting the Full Potential and New Features of CIVA 2025	4 Vinay Gaddu Quality Head Adani Power-Korba Topic: NDE in Power Sector -Looking beyond the horizons	
	5 Nilay Ball Country Manager, APAVE TIV India Topic: Helium Leak testing - Improving safety & reliability of Fuel Cell & Electrolyser systems	5 Dr. P Sampathkumaran Ex CPRI Topic: Advanced NDE Test Methodologies to Assess Structural Integrity of Industrial Parts: Failure Cases.	
		6 Ramaswamy Sivaramanivas GE Vernova Topic: Digital Twin-based Maintenance Strategies for Safety Critical Structures	

12-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	4:00 PM to 5:30 PM
Location	Hall - 207		
	Shipping	Railways	
Transportation	1 Mahesh Karande HoD – Advanced NDT Division IRCLASS Systems & Solutions Pvt Ltd. Topic Pending	1 Ranjan Nayak Senior Expert, NDT & Bogie Industrialization Interface- APAC Alstom India LTD. Topic: NDT for Rolling stock (current requirements & challenges)	NDE 4.0
	2 Ulhas S Kalghatgi Independent Marine Consultant Topic: Non-Destructive Testing Requirements in Shipbuilding: Methods, Regulatory Standards, and Operational Implications	2 Shaikh Nazir Chief Metallurgist Rail Wheel Plant Bela Topic: Early detection of cracks in wheels by advanced X-ray technology	
	3 Chitta Dash Maritime Consultant and Assessor IQARB Topic: NDE in Shipbuilding and an Update on Indian Shipping	3 Anandamurugan Subramanian UT India Engineering Leader Waygate Technolgies Topic: Innovative and Automated Ultrasonic Rail Wheel Inspection – Integration of Advanced Sensor Technologies, Robotic Systems, and Assisted Defect Recognition for Better Throughput, Enhanced Maintenance Reliability	
	4 Debendra Pradhan Founder & CEO Coratia Technologies Pvt. Ltd. Topic: Subsea NDE for National Security and Critical Infrastructure	4 Anurag Tripathi VP - Sales & Customer Support Arora Technologies (P) Ltd Topic: In-service Inspection Solutions Tools for Railway Industry	
	5 Sandip Pradhan Training & Application Engineer Arora Technologies (P) Limited Topic: MRT for Ferromagnetic Steel Wire Ropes		

12-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	4:00 PM to 5:30 PM
Location	Hall - 206 B		
	Manufacturing -1	Digital Radiography	
Manufacturing & TPI	1 Amit Saluja Managing Partner digiXLT Consulting LLP Topic: Connected Inspections: Building a Unified Data Backbone for Smart Operations	1 Karthikeyan Jawahar Director Karma Innovations and Solutions Pvt Ltd Topic: Peace of Mind: How Digital Radiography Can Provide This for CEOs and Business Owners	NDE 4.0
	2 Parthapratim Brahma Mentor TWI India Topic: NDT in boiler construction according to Indian Boiler regulations - 1950	2 Dr.K.Srinivasa Rao Managing Director MQS Technologies Pvt Ltd Topic: Indigenous Digital Radiography and CT Systems: Catalyzing Strategic Self-Reliance in India's NDT Industry	
	3 Pradip Kumar Das General Manager, Reliance Industries Limited Topic: Application of PA UT & TOFD in Refineries & Perto chemical plants for revamping Projects	3 Anmol Birring President, Birring NDE Center, Inc. Topic: Achieving Equivalency of Digital/Computed Radiography methods to Film Radiography.	
		4 Brian S. White Imaging Scientist, Carestream Inc. Topic: The Future of NDE in a Digital World	
		5 Dr Shashishekhar N Director of Research & Development, VJ Technologies Inc. Topic: Industrial Applications of High Energy DR and CT	
		6 Mikhail Berdnikov Regional Director DR SYSTEMS in the Asia-Pacific region Topic: DR - innovative technology in non-destructive testing	

12-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	4:00 PM to 5:30 PM
Location	Hall - 203		
	Metals & Materials - Steel	Metals & Materials - Tublar	
Metals & Materials	1 Balamurugan Srinivasagan Head, NDT & Sensors Research Group Tata Steel Limited Topic: Challenges in real time detection of inclusions in steel	1 Ashutosh Singh DGM - Quality Welspun Specialty Solutions Limited Topic: Role of NDE in Seamless Austenitic Stainless Steel and High Nickel Alloy Pipe & Tube manufacturing industry for Critical Applications	NDE 4.0
	2 Mbala Naga Raju Asso Vice President , TSD Steel & Mills Jindal Steel & Power Topic Pending	2 Shabareesh Nair Director Technical Marketing – Asia, Tubacex Group Topic: Alloy 699XA: An Advanced Tubular Material for Metal Dusting Resistance in Hydrogen Production Environments at Refining and Petrochemical Applications	
	3 Sunit Nair Head- Quality, Mukand Limited Topic: Use of NDT techniques in Quality assurance of Alloy Steel & Stainless-steel long products for critical engineering and Automotive Applications.	3 Ravji Vaghasiya Retired as Chief Engineer (QA) NPCIL Topic: Eddy current Testing of Tube -IMI and ISI	
	4 Dr. Andrej Kirikov President, Nordinkraft AG Topic: Innovation Ultrasonic Solutions for Steel Industry	4 Radha Govind Saraswat Assistant General Manager QA/QC Jindal Saw Ltd. Topic: An Experience of Hard Spot Detection on Plate at JSAW	
	5 Gouranga Charan Rout Sr. VP (Rolling Mill), ELECTROTHERM (INDIA) LTD. Topic: Innovative material strategies for sustainable and resilient Infrastructure		
	6 R Raj kumar Ex. Joint General Manager - L&T Special Steels & Heavy Forgings Topic: Reliability & Quality Assurance - case studies of NDT challenges in manufacturing high thickness forgings		

12-12-2025			
4:00 PM to 5:30 PM			
Location	Hall - 301		
Women In NDT			

12-12-2025			
4:00 PM to 5:30 PM			
Location	Hall - 203		
Student Session	1 Ayush Shah, et. al. Dept. Of ECE, D. J. Sanghavi College of Engg. Topic: AI based Acoustic Wave Monitoring System for Detection of Rail Defects	3 Dr. Divya Padmanabhan (HOD) and Nitinkumar More (Professor) Mech. Engg. Dept., Pillai College of Engineering A. K. Sharma, ISNT, Mumbai. Topic: Creating Skilled NDT Professionals for Advancing India's Industrial Growth	5 Pushpraj Singh Chouhan Co Founder, IXR Robotics Solutions Topic: Robotics and AI for asset integrity
	2 Dr. Prasad Joshi et.al. D. J. Sanghavi College of Engg. Topic: An Experimental, Inter-disciplinary Learning Framework for Enhancing Engineering Skills.	4 Swami Nand Singh, Sales Manager, EECI Topic: The Role of EECi in Diverse NDT Applications: For Awareness of Engineering Students & Teaching Faculty	6 Shri Mukesh Arora Director and CEO Arora Technologies / NDTS India Topic: Careers in NDT for Generations Next

12-12-2025			
4:00 PM to 5:30 PM			
Location	Hall - 207		
Springer Session	1 Neha Sharma Springer Nature Topic: Applied Sciences and Engineering, Springer		

13-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	4:00 PM to 5:30 PM
Location	Hall - Jasmine 1 (Conference Hall)		
	O&G - Fertiliser & Petro Chemicals	O&G - Upstream & Pipelines	O&G - Advanced NDE in Oil & Gas - 2
Oil & Gas	1 B B Virdi Deputy General Manager IFFCO Topic: NDT-Driven Approach to Urea Reactor Leakage Repair and Integrity Assessment in Fertilizer Industry	1 V N Rao Managing Director, Physical Acoustics India Pvt Ltd. Topic: ACOUSTIC EMISSION TESTING AS AN NDE TOOL IN OIL & GAS INDUSTRY	1 Prof. Vladimir Syasko President RSNTTD Topic: Monitoring systems for the technical condition and integrity of stationary equipment of oil and gas facilities
	2 Hitesh Patel Section Head-Static Reliability Reliance Industries Limited Topic: Use of advanced NDE for detection of SCC in Hastelloy C 276 piping	2 V R Ekbote Sr. General Manager Reliance Ethane pipeline Ltd. Topic: Advanced NDT methods used for high pressure, cross country, hydrocarbon pipeline	2 Rupam Saikia WSI Topic: Inspection techniques on coke drums
	3 Nikhil Sabhaya Manager – NDT & RLA, TCR Advanced Engineering Pvt. Ltd. Topic: Transforming Tank Integrity Assessment through Acoustic Emission: From Conventional Inspection to Real-Time Condition Screening	3 Sivasankararao Busam Reliance Industries Limited Topic: Advanced NDT Techniques like ACFM or underwater MPI Induced Magnetism using a coil method for Fixed Offshore Structure/Riser/Piping.	3 Tanuj Jhunjhunwala Planys Technologies Topic: Underwater robotic inspection with advance NDT for critical infrastructure
	4 Nitesh Rai IOCL, Panipat Topic Pending	4 Dr. Jyotirmayee Dash Managing Director, Teralumen Solutions Topic: Field-Deployable Terahertz NDT of FRP Pipelines and Coatings in Oil & Gas Industry	4 Rohith Shetty Sr. Engineer- Sales, Arora Technologies (P) Limited Topic: Wireless, Battery free, Non-intrusive ultrasonic thickness monitoring sensors
	5 Santosh Gupte Technical Expert Fearnley Group Topic: Shaping the Future of Non-Destructive Evaluation	5 Jitender Yadav Senior Products & Applications Expert Eddyfi International FZE Topic: Eddy Current Array (ECA) for detection & sizing of Stress Corrosion Cracking (SCC) on Pipelines	5 Anand V. Salunke Procurement Quality Manager Tecnimont Private Limited Topic: From Micro-Cracks to Mega Risks: The Mechanics Behind Oil & Gas Safety

13-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	4:00 PM to 5:30 PM
Location	Hall 206 A		
	Wind	Infrastructure	
Energy & Power	1 Gurudas Madye L&T Offshore Wind Power Ltd. Topic: Ensuring Excellence with challenges in the Quality of Offshore Wind Business	1 T. Srinivasan Head Quality, L&T Heavy Civil IC Topic: Trends in Concrete NDT for Infrastructure Projects	
	2 Vasanth Praveen Kumar Sub Module Owner - Nacelle Internals Vestas Technology R&D Topic: NDT in the Era of Mega Wind Turbines: Scaling Up Inspection Technologies	2 S. Ponnappan Senior Deputy General Manager – QA Head Kudankulam Nuclear Power Project Topic: Overview of Russian Standards in Nuclear Construction	
		3 P. Rajarethinam Quality Head, L&T GHAVP 1&2 NI Package Topic: Implementation of Japanese NDT Standards in Orthotropic Steel Deck (OSD) in Atal Setu Sea Bridge	
		4 Pragyan Patnaik Founder Director, Aavrtti Technologies Pvt Ltd Topic: Ground Penetrating Radar using Robotics	
		5 Aman Pereira Head of Engineering HausBots Topic: Crawler Robots Meet NDT on Industrial Chimneys: GRP, Concrete, Stainless Steel and more	
		6 Ravindra Lanjewar Sr. Manager Bharat Petroleum Corporation Limited Topic: Application of Civil NDT in Assessing Aging RCC Infrastructure	

13-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	
4:00 PM to 5:30 PM			
Location	Hall 207		
	Aviation - 1	Aviation - 2	Automobile
Transportation	1 Dr Ramesh Kumar M Chief Scientist, CSIR-NAL Topic: Listening to Composites: Bulk wave to Guided wave for Safe Skies	1 Tejas Tadpatrikar Materials, Processes & Tests AIRBUS Topic: Securing the Future of NDT: Qualification, Reliability, and the Human Element in the Digital Age	1 Dr. MT Shyamsunder Mentor, Teralumen Solutions, Chennai Topic: Applications of Terahertz NDE in the Automotive Industry
	2 Dr. Bala Pesala Founder and CEO, Aduvo Diagnostics Topic: Terahertz Technology for Aerospace Applications	2 Ajay Bhende Head of Powerplant (M&E) Akasa Air Topic: NDE in Civil Aviation	2 N. Anandan HOD Transport Maintenance BARC Topic: Advances in the Automotive Industry and the role of NDT
	3 Dr. Shraman Goswami Fellow, Honeywell Technology Solutions Topic: Non-Destructive Evaluation and Simulation in Aerospace Industry	3 Dr D S Dulay Chairman, GNAT Technologies (India) Topic: Four decades of pushing boundaries—learning, training, solving problems, and driving innovation across aerospace and beyond!	
	4 Srinivasa Venkatesh Principal Technical Officer NAL Topic: NDE of Advanced Composite Components for Defence & Aerospace Programs	4 Ashoka R G Manager - QA-NDT SAFRAN HAL Aircraft Engines Pvt. Ltd. Topic: Nadcap Approval in NDT	
		5 Cyril Thibault Director AOS/TPAC Group Topic: Importance of Matching Filtering Techniques in Air-Coupled UT Inspection	

13-12-2025			
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	
4:00 PM to 5:30 PM			
Location	Hall 206 B		
	Manufacturing - 2	Training & Certification	TPI & EPC
Manufacturing & TPI	1 Haradhan Pal MANAGER – NDE ISGEC Hitachi Zosen Limited Topic: Phashed Array Ultrasonic Examination Of Tube To Tube Sheet Weld Joints.	1 Diwakar Joshi Director, QInsight Consol Private Limited Topic: ICN by ISNT : The Future of NDT Certification	1 Amitabh S Bhagwate GM – Quality Tata Projects Topic: NDT in EPC Projects: Driving Integrity, Safety, and Sustainability
	2 Bhavesh Bhirud DGM RIL Topic: NDE of Rectangular header box of Air Cooled Heat Exchangers	2 Navita Gupta Director Satyakiran Engineers Pvt Ltd Topic: Competency Assessment of NDT Personnel: Standards and Practise	2 Pralhad Gawade General Manager – Inspection Services TUV India Pvt. Ltd. Topic: Transforming Employer-Based NDT Qualification : The TPIA Experience and Implementation Challenges
	3 Santosh Panhale Inspection Reliance Industries Limited Topic: Case study on use of PAUT on 800H Reactor to ensure defect free weld after repair	3 Srijan Tiwari Co-founder & Director TIQWorld Pvt. Ltd. Topic: Empowering Industrial Excellence : Skills, Jobs and Tools that Drive Industrial Excellence	3 Dr Dipak Chandiramani Independent Consultant Topic: Meaningful NDE of Weldments
	4 Anand Relekar Vice President- HOD, TKIL Industries limited Topic: Enhancing Reliability through NDT in Heavy Engineering	4 Alisa Shabaeva Executive Director RSNTTD Topic: The system of attestation (certification) of NDT personnel in Russia	4 Thirumal Valavan Technical Manager LRQA Inspection Services India LLP Topic: AI revolution in NDT

		13-12-2025	
11:30 AM to 1:00 PM		2:00 PM to 3:30 PM	4:00 PM to 5:30 PM
Location	Hall 203		
Metals & Materials - Pipes & Fittings			
Metals & Materials	1	Dr Jaidev Singh Chandel Senior Vice President (Operations) Jindal SAW Ltd Topic: Effect of elevated temperature charging on mechanical and metallurgical Behavior of forged API X-65 and AISI 4137H connectors	
	2	Shiv Shankar Sharma Head QA&C Ratnamani Metals & Tubes Ltd Topic: NDE Methods & Challenges- Line & Process Pipes	
	3	Seshadri Matta Leader in NDE Saint-Gobain Research India Topic: Smart Sensing for a Sustainable World: The Role of NDE in Advanced Manufacturing and Material	
	4	K. Padmanabhan GM - Quality Assurance Aruna Alloy Steels Pvt. Ltd Topic: Challenges related to NDE of Castings	