



ASNT
INDIA
SECTION

INTERNATIONAL CONFERENCE & EXHIBITION ON NDE
ICENDE - 2023

Dates: 24th, 25th & 26th August 2023

Venue: The Corinthians Resort and Club, Pune

TECHNICAL PROGRAM BOOKLET

In Association with



ASNT INDIA.

www.icende.in

24th August 2023

MAIN HALL

TECHNICAL PROGRAM DAY 1: Thursday, 24th August 2023

**09:30 - 11:00
Inauguration**

**11:00 - 11:30
Exhibition Inauguration/High Tea**

**11:30 - 12:15
Plenary 1 - Mr. Ujjwal Kanti Bhattacharya, Director (Projects), NTPC Limited***

**12:15 - 13:00
Plenary 2 - Mr. A Joseph, Managing Director, BrahMos**

**13:00 - 14:00
Lunch**

**14:00 - 14:45
Keynote 1 : Mr. T.S. Kathayat, President, Welspun**

**14:45 - 15:30
Keynote 2 : Mr. John Kinsey, President, ASNT Certification LLC**

**15:30 - 15:45
Tea Break**

**15:45 - 16:15
Special Session**

**16:15 - 17:00
Startup Session**

25th August 2023

TECHNICAL PROGRAM DAY 2: Friday, 25th August 2023

09:30 - 10:00
Special Energy Session
Welcome Address – Dr. R Venugopal
Joint Chief Controller of Explosives, Vadodara,
The Petroleum and Explosives Safety Organization

10:00 - 10:45
Keynote - 3

10:45 - 11:00
Tea Break

11:00 - 13:15
Session 1

13:15 - 14:00
Lunch Break

14:00 - 18:00
Sessions (2, 3, 4 & 5)

TECHNICAL PROGRAM DAY 2: Friday, 25th August 2023

Session 1

Chair: Dr. R Venugopal

MAIN HALL		
Time (Hrs)	Topic	Speaker
11:00 - 11:15	Uncommon (Improved) Techniques in NDT Methods	Mr Ambesh Chaurasia, L&T Energy - Hydrocarbon
11:15 - 11:30	Non-Destructive Evaluation of Pipeline Integrity through In-line Inspection (ILI) – Detection of Weld Anomalies	Mr Krishna Reddy, GAIL (India) Limited
11:30 - 11:45	Online Corrosion Monitoring System in Refiner	Mr Rahul Hirulkar, Nayara
11:45 - 12:00	Advance NDE in Critical process equipment	Mr Jigar Prajapati, ISGEC Hitachi Zosen LTD
12:00 - 12:15	Case study on inspection of weld joint of Coker drum using Phased Array Ultrasonic Testing (PAUT)	Mr MD. Muntashir Hayat, Indian Oil Corporation Limited, Gujarat Refinery
12:15 - 12:30	Case Study On Challenges Faced During Creep Assessment By AUS Of Hydrogen Reformer Tubes	Mr Anil Kumar Teeda, Indian Oil Corporation Limited
12:30 - 12:45	Case study of “Thermography & other MIQA initiatives resulting to improvement in SAFETY and RELIABILITY	Mr Viral Pastagia, Deepak Nitrite
12:45 - 13:00	Roof Inspection of LSHS (Low Sulphur Heavy Stock) Storage Tank by PECT (Pulse Eddy Current Testing) Method	Mr Navneet Joshi, GNFC
13:00 - 13:15	Inspection Of Piping Under Trunion Support By HOMC	Mr Anand Kumar, Reliance Industries Ltd

Session 2

Session 3

HALL 1			HALL 2		
Time (Hrs)	Topic	Speaker	Time (Hrs)	Topic	Speaker
14:00 - 14:30	Invited Talk 1		14:00 - 14:30	Invited Talk 2	
14:30 - 14:45	Vendor Time 1	Evident Scientific Pvt Ltd			
14:45 - 15:00	Applications of Digital Radiography in Civil Structures	Mr. Santur Girnekar, Fujifilm India Pvt Ltd	14:30 - 14:45	Vendor Time 2	Carl Zeiss
	Automated X ray inspection systems for pipe manufacturing industries	Mr. Anand Avhad, Visiconsult India Pvt Ltd	14:45 - 15:00	Imaging of Flaws in Ferromagnetic Steel Tubes by Remote Field Eddy Current Array Probe	Mr. Arjun V, IGCAR
15:00 - 15:15			15:00 - 15:15	Advanced ultrasonic imaging techniques in-lieu of Radiography for evaluating structural integrity of welds	Mr. R J Pardikar, TWI India Pvt Ltd
15:15 - 15:30	Application of Digital X-ray Imaging for Assessment of welds Carried out Using Different Processes on Different Materials	Mr. Saravanan T, IGCAR	15:15 - 15:30	Application of Radiometry for Integrity evaluation of thick structures in Nuclear Facilities	Mr. S Viswanathan, IGCAR
15:30 - 15:45	Tea Break		15:30 - 15:45	Tea Break	

TECHNICAL PROGRAM DAY 2: Friday, 25th August 2023

Session 4

Session 5

HALL 1			HALL 2		
Time (Hrs)	Topic	Speaker	Time (Hrs)	Topic	Speaker
15:45 - 16:15	Invited Talk 3		15:45 - 16:15	Invited Talk 4	
16:15 - 16:30	Vendor Time 3	TPAC	16:15 - 16:30	Vendor Time 4	Fujifilm India Pvt Ltd
16:30 - 16:45	Thickness Measurement of Thermal Insulation Paints Over Non-metallic Substrates Using Terahertz Time-Domain Spectroscopy	Mr. Nidheesh Kumar, Vikram Sarabhai Space Center	16:30 - 16:45	Investigation on Radiographic Indications Observed in Xh67 Nickel Based Superalloy Wrought Parts for Aerospace Applications	Mr. Anver Ali, Liquid Propulsion Systems Center, ISRO
16:45 - 17:00	X-ray Computed Metro-tomography (x-CMT) as a tool for inspection of multi-material assemblies	Mr. Manu Joseph, Liquid Propulsion Systems Center	16:45 - 17:00	Helium Leakage Rate measurements in Vacuum with Fiber Optic channels	Mr. Venkat Ramani, Plasma and Vacuum Systems Technologies
17:00 - 17:15	Lithium-Ion Batteries Inspection by Computed Tomography	Mr. Chakravartthy, Visiconsult Pvt Ltd	17:00 - 17:15	Temperature Analysis of Fire Exposed Concrete Structures by USPV & RH Techniques.	Ms. Aparna Chaturvedi, CSIR-CBIR
17:15 - 17:30	Image Processing Approaches in Lock-in Thermography for Characterizing Drilling Damage in Glass Laminate Composites	Mr. Sharath D, IGCAR	17:15 - 17:30	Parameters to consider when switching from film to CR technology	Mr. Abhay Gour, Waygate Technologies
17:30 - 17:45	Phased Array Ultrasonic Testing (PAUT) in Wind Blade Composite Materials	Mr. Jeyakumar Thangavel, Next Engineering	17:30 - 17:45	Evolution of Industrial Radiography Image Interpretation	Mr. Jagan Prasad, Fujifilm India Pvt Ltd
17:45 - 18:00	The Need for Data Management and Archival Solutions in NDE	Mr. Santur Girnekar, Fujifilm India Pvt Ltd	17:45 - 18:00	Introduction to Phase Coherence Imaging and its applications	Mr. Arshad Uddin, Evident Scientific Pvt Ltd

25th August 2023

TECHNICAL PROGRAM DAY 3: Saturday, 26th August 2023

09:00 - 09:45

**Keynote - 4 : Magnetostrictive transducers for guided wave testing and structural health monitoring of pipes, tank walls, tank bottoms, steel ropes, buried anchor rods and heat exchanger tubing
(Dr. Sergey Vinogradov)**

09:45 - 10:30

Keynote - 5

**Sustaining Aging Asset integrity Through Using Advanced NDT Technologies
(Mr. Mohammed Abu Four, Advanced NDT Supervisor, Saudi Aramco and Regional Director)**

**10:30 - 10:45
Tea Break**

**10:45 - 13:00
Session (6 & 7)**

**13:00 - 13:45
Lunch Break**

**13:45 - 15:30
Session (8 & 9)**

**15:30 - 16:00
Valedictory**

TECHNICAL PROGRAM DAY 3: Saturday, 26th August 2023

Session 6

HALL 1		
Time (Hrs)	Topic	Speaker
10:45 - 11:15	Invited Talk 5	
11:15 - 11:30	Vendor Time 5	EECI
11:30 - 11:45	One Click Calibration and Acquisition for X Ray Inspection	Ms. Sheri George, Baker Hughes
11:45 - 12:00	Next-Generation Solutions for Thickness Measurement and Corrosion Detection	Mr. Prashanth Geddam, Evident Scientific Singapore
12:00 - 12:15	Thermal Diffusivity Measurement of Metals Using Pulsed Thermography Technique	Ms. Haritha T, Vellore Institute of Technology
12:15 - 12:30	Optimization of Process Parameters to Obtain CTOD Acceptance with Maximum Allowable Heat Input in FCAW, SMAW, SAW Process with Applicable NDE.	Mr. Praveen Loganathan, L&T Energy Hydrocarbon
12:30 - 12:45	Qualification of Carbon Steel End caps for Inlet Water Sub header of the Steam Generator of Fast breeder Test Reactor	Ms. Alka Kumari, IGCAR
12:45 - 13:00	Detection and Estimation of Corrosion Under Insulation Using Radiography	Ms. Sheri George, Baker Hughes

Session 7

HALL 2		
Time (Hrs)	Topic	Speaker
10:45 - 11:15	Invited Talk 6	
11:15 - 11:30	Vendor Time 6	
11:30 - 11:45	Studies on use of A-TIG Welding of small bore SS 304L Pipes in Nuclear Facility to reduce weld defects - A Field approach	Mr. Kuppusamy M V, IGCAR
11:45 - 12:00	Advantages Of Phased Array Ultrasonic Testing of Flash Butt Welded Rails And Its Significance In Rail Safety	Mr. Debdutta Mallik, Velosi(M) Sdn Bhd
12:00 - 12:15	Evolution of NDE practices during manufacture of inconel jacketed expansion joint in large diameter SS piping for sodium	Mr. Shri Krishna Tripathi, IGCAR
12:15 - 12:30	Benefits of fast TFM and PWI for inspection of long products	Mr. Peuchmaurrd Sebastien, TPAC
12:30 - 12:45	Transduction of medium range shear horizontal guided waves in thick carbon steel plates using magnetostrictive EMAT	Mr. Dhayalan R, IGCAR
12:45 - 13:00	Non-Destructive Testing Methods for the Assessment of Additively Manufactured Alloys	Mr. Remakanthan S, Vikram Sarabhai Space Center

Session 8

HALL 1		
Time (Hrs)	Topic	Speaker
13:45 - 14:15	Invited Talk 7	
14:15 - 14:30	Vendor Time 7	Evident Scientific Pvt Ltd
14:30 - 14:45	Phased Array Ultrasonic inspection of 9%Ni LNG TANK	Mr. Prabhakar Chowdhary, Engineers India Ltd

Session 9

HALL 2		
Time (Hrs)	Topic	Speaker
13:45 - 14:15	Invited Talk 8	
14:15 - 14:30	Vendor Time 8	Evident Scientific Pvt Ltd
14:30 - 14:45	NDE Qualification Of Critical Weld Joint Between Inner Vessel And Stand Pipe Of Future FBR	Mr. Navtresh Bajpai, IGCAR

TECHNICAL PROGRAM DAY 3: Saturday, 26th August 2023

Session 8

Session 9

HALL 1			HALL 2		
Time (Hrs)	Topic	Speaker	Time (Hrs)	Topic	Speaker
14:45 - 15:00	Ultrasonic NDT Solutions in Oil & Gas	Mr. Mohammed Arshad Uddin, Evident Scientific Pvt Ltd	14:45 - 15:00	Advanced Ultrasonic (TFM) Solution For Spot Weld Inspection	Mr. Gnanasekaran, Waygate Technologies
15:00 - 15:15	Applications of remote visual inspections (RVI) in oil & gas refineries and power plants	Mr. Debasish Roy, Evident Scientific Pvt Ltd	15:00 - 15:15	X ray inspection of pipes with DR	Mr. Anand Avhad, Visiconsult Pvt Ltd
15:15 - 15:30	Determination of Clad Material Thickness of Pressure Vessel by Ultrasonic Thickness Measurement Method In A Simplified And Cost-Effective Way	Mr. Debduitta Mallik, Velosi(M) Sdn Bhd	15:15 - 15:30	Challenges in qualification of Tube- to- Tube sheet Welds of critical equipment of nuclear facility	Mr. Chenthil Kumar, IGCAR



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about host city

Pune is one of the fastest growing cities in India.
Popularly known as the Oxford of the East,
Pune is an academically oriented city
with 4 universities, 20 or more engineering colleges
and more than 200 other colleges.

Pune is also an IT hub with all industry majors,
both Indian and foreign, having a setup in Pune.
It is also an automobile hub.

Pune is not just about education and IT anymore.
Healthcare is making its presence felt strongly.
The city of Pune is ranked 7th for its industrial
development and is growing rapidly.

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