



Conference & Exhibition on

# Non-Destructive Testing & Sensors



**AUGUST 29-30, 2024**  
**JAMSHEDPUR**

*Theme*



Organized by **ISNT Jamshedpur Chapter**

In Association with

**TATA STEEL**  
WeAlsoMakeTomorrow



 [isntjamshedpur.in](http://isntjamshedpur.in)



## ABOUT THE CONFERENCE

"Conference and Exhibition on Non-Destructive Testing and Sensors (CENDTS 2024) for Process Control, Product Quality Assurance, and Predictive Maintenance" is a two-day conference organised by ISNT-Jamshedpur Chapter in association with Tata Steel Limited and CSIR-National Metallurgical Laboratory. The conference invites industry professionals, NDT practitioners, researchers, academicians, exhibitors, and students to come together to exchange ideas in the field of Non-Destructive Testing (NDT) and Sensors. The conference will be held from 29 -30 August 2024, in Jamshedpur, the Steel City of India.

As Industry 4.0 is swiftly transforming industries to new possibilities of growth and sustainability, it is high time that this conference on NDT and Sensors will create the platform for the professionals in this field to come together to prepare for this transformation. As Industry 4.0 is adopted progressively, the demand for access to crucial data on a real-time basis is increasing exponentially. Hence, the role of NDT and Sensors is growing profoundly to meet this demand by overcoming the conventional challenges.

Particularly, this conference is aimed at focusing on the 3Ps, which are process control, product quality assurance, and predictive maintenance. With the advent of new NDT and Sensors in all three areas, we will align ourselves towards an intelligent manufacturing process, which is a mandate for the future sustainable industry.

Participants will have access to a range of activities, including 20+ technical presentations and 50+ exhibitors, both national and international, showcasing the latest technologies and advancements in the field. Also, 8+ keynote speeches from leading experts will shed light on the future direction of the field of NDT and Sensors.

We are committed to providing an encouraging atmosphere to exchange ideas, gain new perspectives, and build new connections to take your career to the next level. We are looking forward to meeting you all at the conference.







## THE MESSAGE



**Prof Krishnan  
Balasubramanian**  
President, Indian Society of  
Non-Destructive Testing

I take great pleasure to welcome you to the conference, "Conference & Exhibition on Non-Destructive Testing and Sensors (CENDTS 2024)" on 29-30 Aug'2024. The conference is organized by ISNT- Jamshedpur chapter in association with Tata Steel Limited and CSIR-National Metallurgical Laboratory.

As Industry 4.0 is reshaping the manufacturing industries, where NDT and Sensors is the basic building block, so I urge the NDE fraternity across all industries to come together to exchange ideas and collaborate better to ensure a faster growth. In this context, CENDTS 2024 will create a platform to bring all stakeholders together to establish a strong and vibrant network to bolster the eco-system of NDE technology to create a better future.

The conference is designed with the talks of eminent speakers from different domains such as Ultrasonic Testing, Electromagnetics, Optics, Fiber Optics Sensors, and Printed Sensors. The talks will not only take us through the state-of-the-art technologies in NDE, but also give the anecdotes to the future trend. The theme of the conference is 3Ps i.e., Process Control, Predictive Maintenance, and Product Quality Assurance. The theme rightly points out the ubiquitous role of NDE across the manufacturing industries.

I am looking forward to your participation in CENDTS 2024 and wish you all the best.



**Dr Rahul Kumar Verma**  
Chairman  
CENDTS-2024

The manufacturing industry is rapidly adopting the elements of Industry 4.0. It not only helps in better quality control but is useful in achieving productivity and process efficiency improvements. The use of Non-Destructive Evaluation (NDE) in achieving the above objectives is essential. The research fraternity working in the area of NDE has been contributing significantly to the faster adoption of newer technologies.

The ISNT-Jamshedpur Chapter in association with Tata Steel Limited and CSIR-National Metallurgical Laboratory is organizing a national conference, "Conference & Exhibition on Non-Destructive Testing and Sensors (CENDTS 2024)". The theme of this year's conference is going to be 3Ps i.e., Process Control, Product Quality Assurance, and Predictive Maintenance. It is scheduled to be held during 29-30 Aug '24 at Jamshedpur.

The conference will provide an opportunity to the industry professionals, researchers, academicians, and students to come together on a common platform and share their ideas. The conference will have both few invited talks from eminent scientists and contributory papers. The scope of the conference will cover different domains of NDE such as Ultrasonics, Optics, Electromagnetics, Thermography, Printed Sensors, Robotics and Data Analytics in the context of NDE 4.0. It gives me immense pleasure to invite you to this conference, CENDTS 2024.

It gives me immense pleasure to welcome you all to the "Conference & Exhibition on Non-Destructive Testing and Sensors (CENDTS 2024)" organized by ISNT-Jamshedpur Chapter in association with Tata Steel Limited and CSIR-National Metallurgical Laboratory. The conference will be held during 29-30th Aug '24 in Jamshedpur also known as Tatanagar. The theme of this conference is 3P(Process Control, Product Quality Assurance, Predictive Maintenance). This theme will suit for all manufacturing industries in this era.

The main objective of organizing this conference is to share and enhance the knowledge of each and every individual in the area of Acoustics, Electromagnetics, Optics, Industry4.0. This conference will also discuss the challenges and opportunities of conventional and advanced NDT techniques for on-line, real time measurements in normal and harsh environment conditions. The eminent speakers will deliver key note lecture on different topics which will enrich the knowledge of participants. The participants also will get more opportunities to interact with the eminent professors, scientists, industrial researchers to decide their career path in NDT.

I hope that you will certainly enjoy some of the many attractions found in and around our beautiful Jamshedpur city. With this, I welcome once again you all to this conference and request to make this conference a grand success.



**Mr S Balamurugan**  
Convener  
CENDTS-2024







## ORGANISING COMMITTEE

### Advisory Committee

Dr Debashish Bhattacharjee, Vice-President, Technology and R&D, Tata Steel Limited

Mr Vinay Vasant Mahashabde, Chief-R&D and Product Technology, Tata Steel Limited

Dr Sandip Ghosh Chowdhury, Director, CSIR - NML

Dr Krishnan Balasubramanian, President, Indian Society of Non-Destructive Testing

Dr M T Shyamsunder, Vice President, Indian Society of Non-Destructive Testing

Mr N. Rajesh Kumar, Chief One SSTG, Tata Steel Limited

Dr O N Mohanty, Director, Technical and Academic Initiatives, RSB Transmission (I) Ltd.

Mr J C Pandey, Past Chairman, ISNT Jamshedpur Chapter

Dr Ravibabu Mulaveesala, Professor, SeNSE, IIT Delhi

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Dr Rahul Kumar Verma, Chief-Product R&D, Tata Steel Limited

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#### Hall Management Committee

Mr Satya Prakash Putty (Chairman)

Mr GRP Singh

Mr I B Mishra

Mr B Sarkar

Mr Amit Kumar





## REGISTRATION DETAILS

Early Bird Registration (up to July 15th, 2024)		Registration (July 15th, 2024 onwards)	
ISNT Member	₹ 4000	ISNT Member	₹ 5000
Non-ISNT Member	₹ 6000	Non-ISNT Member	₹ 7000
Student	₹ 1500	Student	₹ 2000

## BENEFITS OF REGISTRATION

- 01 Access to entire technical program and exhibition
- 02 Opportunity to present paper/poster in technical sessions
- 03 Access to Lunch/Dinner & cultural program
- 04 Conference Kit
- 05 Certificate of Attendance

## HOW TO REGISTER

To register for CENDTS2024 visit [isntjamshedpur.in](http://isntjamshedpur.in)

You can contact the organizing committee directly via [cendts2024@isntjamshedpur.in](mailto:cendts2024@isntjamshedpur.in) for more information about the conference.







## SPONSORSHIP OPPORTUNITIES (EXHIBITION CATEGORY)

Category	Fee (INR)	Fee (USD)	Complimentary Delegates	Complimentary Visitor Pass	Logo	Advertisement
Principal Sponsor	1000000	14000	8	8	In all promotional material	2 Inner Page + Back Page in Souvenir
Platinum Sponsor	700000	10000	6	6	In all promotional material	2 Inner Page (Front + Back) in Souvenir
Diamond Sponsor	500000	7000	4	4	In all promotional material	Full Page in Souvenir
Gold Sponsor	300000	4500	3	3	In website and backdrop	Full Page in Souvenir
Silver Sponsor	200000	3000	3	3	In website and backdrop	Half Page in Souvenir
Premium Stall	100000	1500	2	2	-	-

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## SPONSORSHIP OPPORTUNITIES (NON-EXHIBITION CATEGORY)

Category	Fee (INR)	Fee (USD)	Complimentary Delegates	Complimentary Visitor Pass	Logo	Advertisement
Platinum Sponsor	500000	7000	12	12	In all promotional material	2 Inner Page (Front + Back) in Souvenir
Diamond Sponsor	300000	4500	7	7	In all promotional material	Full Page in Souvenir
Gold Sponsor	200000	3000	5	5	In website and backdrop	Full Page in Souvenir
Conference Kit	150000	2000	3	3	In website and backdrop	Half Page in Souvenir
Lunch/Dinner (Each)	100000	1500	2	2	In website and backdrop	Half Page in Souvenir

## ADVERTISEMENT TARIFF

Category	Fee (INR)	Fee (USD)	Complimentary Delegates	Complimentary Visitor Pass
2 Inner Page (Front + Back) in Souvenir	100000	1500	2	2
Full Page in Souvenir	50000	750	1	1
Half Page in Souvenir	30000	500	-	-

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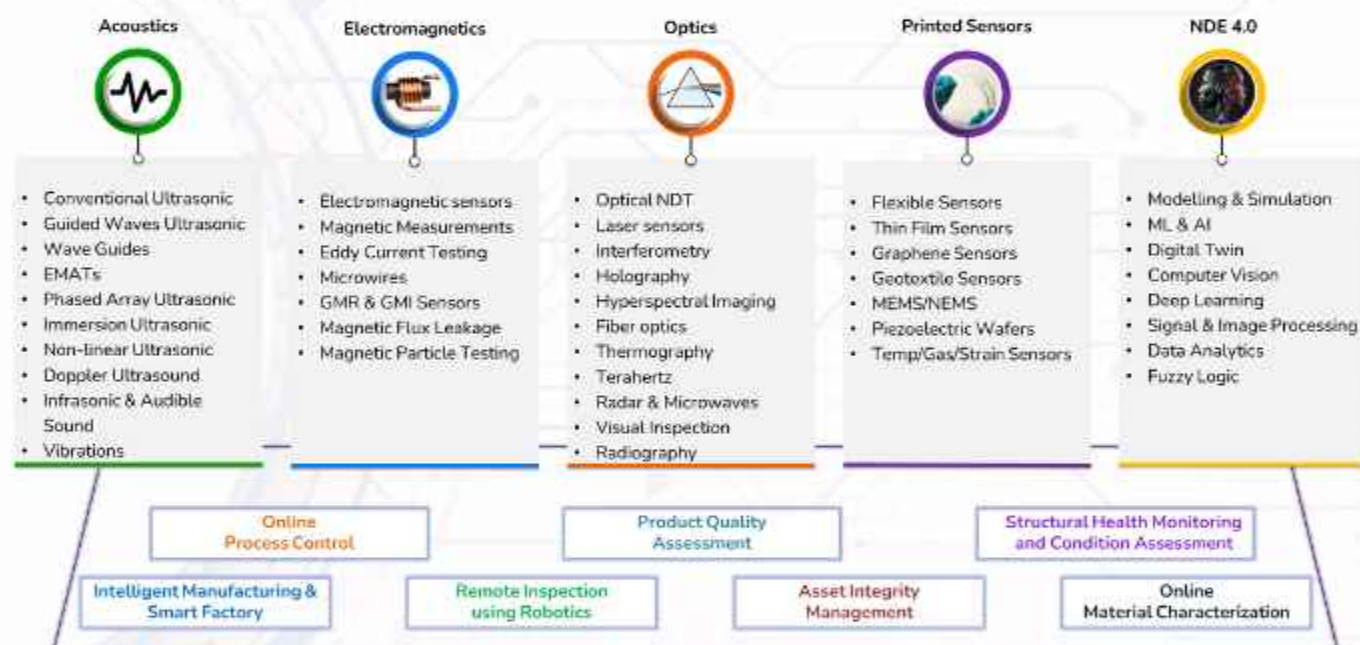




## CALL FOR PAPERS

CENDTS-2024 invites submissions under the broad theme of, 'Process Control, Product Quality Assurance, and Predictive Maintenance' across various multidisciplinary research areas.

## BROAD AREA & TOPICS



## HOW TO APPLY

Please submit your papers via [isntjamshedpur.in](http://isntjamshedpur.in)

You can contact the organizing committee directly via [cendts2024@isntjamshedpur.in](mailto:cendts2024@isntjamshedpur.in) for more information about the conference.

Abstract submission Deadline: 20th July 2024

Notification of Abstract acceptance: 31st July 2024







## THE VENUE



**Tube Maker's Club**

The Tubemakers club in Jamshedpur has a rich history that dates back to the early 20th century. Established with the aim of promoting camaraderie and sportsmanship among the employees of the Tubemakers company, the club has since evolved into a prominent social and recreational hub in the city. Over the years, it has played a pivotal role in fostering a sense of community and belonging among its members, organizing various cultural events, sports tournaments, and social gatherings. For conference participants visiting the venue, exploring the history and activities of the Tubemakers club can provide valuable insights into the local culture and traditions, as well as an opportunity to engage in recreational activities and social interactions.





## ACCOMODATION OPTIONS



Vivanta by Taj



Ramada by Wyndham



The Alcor Hotel



The Sonnet



JK Residency



JIVA



Ginger



Hotel Sagar



Hotel Dayal







## PLACES TO VISIT

Jamshedpur, often referred to as the "Steel City of India," is a place of great beauty, enriched by its old heritage and diverse culture. Founded by the visionary Jamsetji Nusserwanji Tata, the city is a testament to his dream of creating a harmonious blend of industry, nature, and community. One of the most striking aspects of Jamshedpur is its rich heritage. The city boasts a number of architectural marvels that reflect its historical significance, such as the Jubilee Park, which was built to commemorate the completion of 50 years of Tata Steel. The park is adorned with lush greenery, fountains, and a serene lake, making it a popular spot for locals and tourists alike. In addition to its historical charm, Jamshedpur is also home to a vibrant mix of cultures and traditions. The city celebrates various festivals with great fervor, showcasing the unity in diversity that defines its social fabric. Visitors to Jamshedpur can immerse themselves in the local customs and traditions, gaining a deeper understanding of the city's rich cultural tapestry.

Apart from its cultural allure, Jamshedpur offers a range of attractions for visitors to explore. The Dalma Wildlife Sanctuary, located on the city's outskirts, provides an opportunity to witness the region's diverse flora and fauna in their natural habitat. The Dimna Lake, nestled amidst picturesque hills, is another popular destination for nature enthusiasts and adventure seekers. For those interested in history and industry, a visit to the Tata Steel Plant is a must. The plant, which has played a pivotal role in shaping the city's identity, offers guided tours that provide insight into the steel-making process and the company's legacy.



Dimna Lake



Jubilee Park



Diamond Park



Eco Park



Russi Modi Centre  
for Excellence



Tata Steel Zoological Park



Dalma Wildlife Sanctuary



Jamshedpur Coin Museum



Hudco Lake







## OUR SPONSORS



## CONTACT US

Conference Secretariat

Indian Society for Non-destructive Testing Jamshedpur Chapter



Non-Destructive Testing & Sensor Lab, Research & Development,  
Tata Steel Limited, Jamshedpur - 831001  
Jharkhand, India



[cendts2024@isntjamshedpur.in](mailto:cendts2024@isntjamshedpur.in)



+91-9204651390  
+91-8092098173  
+91-9897521586

Do visit [isntjamshedpur.in](http://isntjamshedpur.in) for more details

