WELCOME TO
NDE 2020
VIRTUAL
CONFERENCE & EXHIBITION

Conference & Exhibition on
NON DESTRUCTIVE EVALUATION

THEME
Redefining Industry Parlance with NDE 4.0
ABOUT
NDE 2020

NDE 2020: The Virtual Conference & Exhibition, the annual flagship event of the Indian Society for NDT will be held on Virtual Platform during December 10-12, 2020. The theme of this year's conference is “Redefining Industry Paralysis with NDE 4.0” which has been carefully chosen to indicate the confluence, importance, and relevance of NDE 4.0 with the philosophies of industrial inspection using automation, robotics, artificial intelligence resulting in quality and reliable product.

The conference will have over 30+ invited talks and 200+ presentations from eminent personalities and experts both from India and abroad. Special sessions on topics of current relevance to industries will be the highlight of the conference. Over 70 exhibitors – both national and international will be showcasing their products and services through the state-of-the-art 3D virtual exhibition. The exhibitors will get the opportunity to showcase their products, technologies and services right from home or office through a wide range of interactive online tools such as live chats and live video channels to interact with the participants attending across the globe. The near-physical exhibition through carefully designed 3D stalls, high-resolution exhibitor avatars, promotional videos, product documentation with an exceptionally easy-to-use navigation environment will lead to a fulfilling experience of showcasing to potential clients present beyond geographical boundaries.

NDE 2020 expects the participation of 1000+ delegates from around the globe in multiple domains and disciplines related to the core area of NDE and Inspection. The conference will provide a platform to delegate to present their work to a wide audience and interact with them for better knowledge sharing and dissemination. The topics will encompass a vast spectrum from Conventional to Advanced NDE including novel methods, instrumentation, NDE automation, robotics, sensors, procedures and data analytics as applied to all industry segments for quality control, periodic maintenance, life estimation, structural integrity and related areas. All delegates will be provided with participation certificates which will enable them to get credit points for certificate renewals or other purposes.

Specific technical sessions focused to address the issues, challenges and opportunities for application and implementation of cutting edge NDE technologies for various industrial sectors will be addressed and attended by experts across various industries. The industries will have the opportunity to interact with experts from academia and R&D institutions working in various facets of NDE.

NDE 2020, the virtual conference and exhibition, is envisaged to be another landmark event from ISNT in the annual series with a different flavour and charm which will ensure that all delegates, speakers, invitees and exhibitors have fulfilling experience on all fronts - technical, professional and social with the comfort of being at home or office.

ADVANTAGES
VIRTUAL EXHIBITION NDE 2020

- ISNT will empower you by the Virtual Exhibition to promote your products via custom virtual booths
- Your presence on the Virtual Exhibition Platform of NDE2020 means a lot to you. You are visible throughout the globe without any Physical Boundaries
- Reduce your marketing effort with your presence in the Virtual Exhibition
- Utilize dynamic online exhibition platform to engage with thousands of business prospects and maximize the lead generation
- Fully showcase your products with rich content formats and allows delegates and participants to access and explore at the comfort of their homes
- Highly configurable booths to enable exhibitors to customize your space and showcase your unique offerings at the online exhibition
- Various options for a near-physical exhibition experience through high-resolution exhibitor avatars and carefully designed booths in an exceptionally easy-to-use environment
- Amplification of engagement with live video streaming and chat with two-way communication between you and attendees to bring more engaging interactive experience
- Showcase your products & services via images, videos, and documents using features like Video vault carrying a host of product videos, Brochures and Product photos
- Engagement in one-to-one interaction with potential buyers through instant video or text chat
- Allow delegates or potential customers to search by product ranges, categories etc
- Detailed data analytics for understanding your impact among participants/delegates
- Complimentary full-page advertisement in the Conference Souvenir which will be made available through Hard copy and soft copy form
CALL FOR PAPERS

NDE technologists, scientists and professionals interested in presenting their original work at NDE 2020 are invited to submit the abstract(s) of their paper(s) in any of the following suggested broad areas and topics, but are also open to other subjects of interest, commensurate to the theme of the conference. Abstracts should clearly bring out the purpose, important results and the outcome of the study. It is important to note that the abstracts will be accepted based on the understanding that the author or one of the authors will attend the conference. Abstracts and Papers will be accepted only through the conference website www.isntnde.in.

The full text of the papers presented at NDE 2020 will be published by Springer Nature in the form of Conference proceeding after following due peer review procedure. The conference proceeding will be indexed for citation.

The presenting author must register as delegate for the conference for inclusion of the paper in the final Technical Programme of NDE 2020. For any queries, please email to technical@isntnde.in.

IMPORTANT DEADLINES

<table>
<thead>
<tr>
<th>Event</th>
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<tr>
<td>Last date of Abstract Submission</td>
<td>October 7th, 2020</td>
</tr>
<tr>
<td>Intimation of acceptance of Abstract on or before</td>
<td>October 10th, 2020</td>
</tr>
<tr>
<td>Submission of full paper</td>
<td>November 5th, 2020</td>
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<td>Author Registration on or before</td>
<td>November 5th, 2020</td>
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BROAD AREAS AND TOPICS

- Conventional, Advanced and emerging NDE technologies
- Materials Characterization by NDT
- NDE in Aerospace, Railways, Defence, Space, Automotive, Fabrication, Civil and Structural Engineering, Nuclear, Petrochemical, Bio-Medical engineering etc.
- Modeling and Simulation
- Signal and Image Processing
- NDE Sensors, Instrumentation, Software and Systems
- Robotics and Automation in NDE
- Functional and Operational Testing, Reliability and Safety Assurance
- NDE in Corrosion Damage Monitoring
- Quality Control and Quality Assurance
- Pre and In-service Inspection
- Structural Health Monitoring and Ageing Management
- Structural Integrity Assessment and Life Extension
- Condition Monitoring and Residual Life assessment
- Off-shore NDE
- In-situ and Breakdown maintenance, In-situ Metallography
- Novel NDE Methods
- Metrology using NDE
- Reliability and Effectiveness of NDE
- Performance Demonstration and Evaluation
- Multi-NDE, IOT, Data Fusion, NDE Data Analytics, Computer Vision
- NDE education, standardization, training, certification and accreditation
- NDE Codes and Standards
PRE-CONFERENCE TUTORIALS

Four numbers of NDE 2020 Pre-Conference Tutorials (PCT) will be held on December 5-6, 2020 on Virtual Conference mode.

The PCTs will be designed to help participants learn a topic of interest through a combination of lectures on fundamentals, applications and the current trends with equipment demonstrations wherever feasible. The lectures will be delivered by eminent and experienced faculty drawn from academia, R&D organizations and Industries to provide the participants a realistic and practical flavour of the topic.

REGISTRATION FEES

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<td>PCT + Conf Delegate (Non members)</td>
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<td>PCT + Conf Delegate (Students)</td>
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<td>PCT + Conf Delegate (Foreign)</td>
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Notes
- * GST @18% extra
- Certificate of participation will be provided.
- For any queries, please email technical@isnnde.in

REGISTRATION FEES

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<th>Type of Conference Delegate</th>
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Notes
- * GST @18% extra
- Details of the link and credentials to attend NDE2020 - Virtual Conference & Exhibition will be sent to the registered email ID in due course of time.

BENEFITS OF REGISTRATION

- Access to the entire technical programme and exhibition area
- Opportunity to present the paper in the technical programme
- Certificate of attendance (max. 20 hrs of technical lectures), which can be used as a supporting document for renewal of Level III certificates
TENTATIVE PROGRAMME

Day 1
10th Dec 2020 (Thursday)
- Inaugural Session, Opening of Exhibition, Memorial, Plenary and Parallel Technical Sessions
  - 10:00 - 11:30 hrs: Inaugural Function
  - 11:30 - 11:45 hrs: Formal Opening of Exhibition by Guest of Honour (Playing Video of Exhibition area)
  - 11:45 - 12:30 hrs: Open for Exhibition
  - 12:30 - 14:00 hrs: Lunch Break
  - 14:00 - 15:30 hrs: Memorial Session
  - 15:30 - 16:00 hrs: Break
  - 16:00 - 17:30 hrs: Plenary Session - 1
  - 17:30 - 19:00 hrs: Parallel Technical Session 1

Day 2
11th Dec 2020 (Friday)
- Parallel Technical Sessions
  - 09:30 - 11:00 hrs: Parallel Technical Session 2
  - 11:00 - 12:30 hrs: Plenary Session 2
  - 12:30 - 14:00 hrs: Lunch Break
  - 14:00 - 15:30 hrs: Parallel Technical Session 3
  - 15:30 - 16:00 hrs: Break
  - 16:00 - 17:30 hrs: Parallel Technical Session 4
  - 17:30 - 19:00 hrs: Parallel Technical Session 5

Day 3
12th Dec 2020 (Saturday)
- Parallel Technical Sessions & Closing Day Ceremony
  - 09:30 - 11:00 hrs: Parallel Technical Session 6
  - 11:00 - 12:30 hrs: Plenary Session - 3
  - 12:30 - 14:00 hrs: Lunch Break
  - 14:00 - 15:30 hrs: Parallel Technical Session 7
  - 15:30 - 17:00 hrs: Valedictory Function, Declaration of Awards

10-12th Dec 2020 (at different time)
- Special Sessions
  - Career Opportunity in NDE
  - Accreditation of NDT Lab
  - NDE Certifications
  - ICN
  - Women Empowerment Session
- Other Sessions / events through Dedicated Channel or Module
  - Hackathon
  - Quiz
  - Poster Session
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<td>Chairman</td>
<td>Dr. B Venkatraman</td>
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<tr>
<td>Convener</td>
<td>Shri Bikash Ghose</td>
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<td>International Relationship Committee</td>
<td>Prof. Krishnan Balasubramaniam</td>
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<td>Shri Hemant Kumar</td>
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<td>Technical Committee</td>
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<td>Pre-Conf Tutorial Committee</td>
<td>Shri V Manoharan</td>
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**ORGANIZING COMMITTEE**

**PARTNERS**

**PRINCIPAL**

**PLATINUM**

**DIAMOND**

**GOLD**

**SILVER**

**PUBLISHING**

www.isntnde.in

**CONFERENCE SECRETARIAT**

Indian Society for Non-Destructive Testing (ISNT)
Modules 60 & 61, 3rd Floor,
Garment Complex, SIDCO
Industrial Estate, Guindy,
Chennai 600 032, Tamil Nadu, India

**CONFERENCE MANAGER**

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Elbon Conference & Events Pvt.Ltd.

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info@isntnde.in