

PRESIDENT TALK



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Greetings!

Sept 2022 issue of JNDE was well received by the readers; thanks to the Editorial board in releasing this issue in time.

I am happy to inform you that the Program Formulation and Management Board (PFMB) has been formed with the objectives of conceptualizing, formulating and various non-certification programs such as webinars, conferences, seminars etc. and to create platform for constant interaction with ISNT members, and meeting the requirement of industry, academia and research community. PFMB will interact with other international NDT societies, national technical societies to formulate and organize joint programs. You will get regular updates of these programs through JNDE.

NCB is in the process of promoting IS 13805 and ICN Examinations in the different industries. Our ICN scheme is getting aligned with revised ISO 9712:2021.

Training Management Board has started working for the development of course outlines, course materials, practical training books to standardize the training activity throughout the country. Presently, the Board has authorized four training centres for ICN and eleven training centres for IS 13805 (interim authorization).

The chapters are continuing with the webinars, workshops training programs and certification courses which are really worth appreciating.

Now we are nearing to the NDE 2022 mega event and I would like to meet you all there. This yearly conference is an opportunity for all. It involves technicians, managers, service personnel, buyers, sellers, students, and in short, anyone connected to the field of NDE. It showcases the latest technology, equipment and happenings in the field of NDE. It is a place to share knowledge and to network. The eager NDE person within you will be treated to a lavish feast of events which includes the Inauguration Talk, Exhibition Stalls, Plenary Sessions, Invited Talks, Quiz Competitions, Cultural Programs, Special Sessions with industrial interactions, and of course the Preconference Tutorials on carefully selected subjects. This is a place where NDE evolves!

ISNT made a proposal presentation to host the 3rd International Conference on NDE 4.0 (planned in February 2025) on October 18, 2022 during the ICNDT Special Interest Group (SIG) committee meeting; and the same was accepted by the members. The formal announcement was made during the Inaugural Session of the 2nd International Conference on NDE 4.0 which started in Berlin, Germany on 24th Oct 2022. Thanks to Dr. K. Balasubramaniam and Dr. M T Shyamsunder to make it happen. Dr. Shyamsunder is also the Guest Editor for this issue of JNDE and you will enjoy the NDE 4.0 papers presented in this issue.

I thank all authors, the editorial board, advertisers and the whole team for keeping up the momentum!

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Another exciting JNDE issue with the theme of NDE 4.0, released on the eve of NDE 2022, is now in your hand.

India is making striding progress in Industry 4.0 and, inevitably, in NDE 4.0. ISNT is walking hand in hand with all, conducted a series of activities in this area over the years and now successfully bid to host the 3rd International Conference on NDE 4.0 in February 2025.

This issue presents four original papers on NDE 4.0 covering the basics of NDE 4.0 in the context of Radiography, use cases of AI & ML in inspection, principles for successful deployment of NDE 4.0 and Simulation Assisted Automatic Flaw Recognition using AI in NDE. The chapter activities section summarizes the activities conducted by various chapters in the last three months (Sep – Nov 2022).

The Mahatma Mandir Convention and Exhibition Center (MMCEC), Gandhinagar, Gujarat is ready to Host you for the Conference & Exhibition on NDE (NDE 2022) to be held during 24th -26th November 2022. Get an update and the post-event memoirs on the landmark event at www.isntnde.in.

My heartfelt thanks to all the advertisers and contributors of this issue who helped release the issue before time. Many thanks to Dr Shyamsunder for agreeing to be the guest editor for the special issue of JNDE on NDE 4.0.

Original research articles to JNDE can now be submitted through the online portal of JNDE <http://jnde.isnt.in>. The online version of JNDE will soon have the ISSN number, and it is planned to have the DOI number for each journal article.

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GUEST EDITOR'S TALK



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ISNT's Journal of NDE's Special issue on NDE 4.0 is now in your hands. This issue has been specially crafted to introduce to our readers and the NDE community at large the exciting topic of NDE 4.0 which is emerging and growing at an extremely fast pace around the world. You are all aware that the ongoing fourth industrial revolution popularly called Industry 4.0 is based on digitisation, digitalization and digital transformation combined with several other elements of Big data, Analytics, Robotics, Internet-of-Things, Artificial Intelligence, Digital Twins and many others. NDE 4.0 is a key enabler for Industry 4.0 and will lead to an improved productivity, efficiency, reliability and safety of components / structures/assets during manufacturing and while in-service. Adoption of NDE 4.0 by the industry is a long and fruitful journey which has started but needs to be strongly supported, encouraged and motivated in all segments of academia, R&D and Industry. We have four very interesting papers for you in this issue covering different aspects of NDE 4.0 and will provide greater insights on the topic.

We are also delighted to share with pride that the 3rd International Conference on NDE 4.0 will be hosted by ISNT in India during February 2025 and will be a big boost for this emerging, globally relevant topic.

We hope you enjoy browsing this issue and the papers published along with our other regular features. Please share your feedback or suggestions.

Dr. Shyamsunder Mandayam
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