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THE ICNDT JOURNAL

The World Organisation for NDT

The Official Journal of the International Committee for Non-Destructive Testing



The World Organisation for NDT



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ICNDT News **P.2-6**

- *ICNDT Chair's Message*
- *The 20th WCNDT Conference*
- *Report of ICNDT WG 1*
- *Report of ICNDT WG 4*

European Region **P.7-12**

- *ECNDT 2023*
- *Art'23*
- *Report from the Norwegian Society of NDT*

Asia-Pacific Region **P.13-14**

- *Report on APCNDT 2023*

Pan-American Region **P.15-18**

- *ASNT Update*
- *Report on CONAENDI 2023*

African Region **P.19-20**

- *INDTN National Conference 2024*

Calendar of NDT Events **P.21**

ICNDT Chair's Message

I am glad to address you all with good spirits after the pandemic period. We are introducing our new version of the ICNDT Journal with the editorial team supported by the Japanese Society for Non-Destructive Inspection (JSNDI). We hope you will enjoy the content and new layout.

APCNDT 2023

Recently, ICNDT held a hybrid Annual meeting at the Melbourne Convention Centre hosted by the Australian Institute for Non-Destructive Testing (AINDT) along side of the 16th APCNDT 2023. It was a successful event for AINDT and all, with numerous opportunities to meet in person after 3 long years.

Dr. Mike Farley (Past Chairman) attended several in person meetings at the 16th APCNDT; during which, he presented the upcoming New ICNDT Guide on Qualification & Certification which is expected to be released later this year.

APFNDT elections were held during the 16th APCNDT and I would like to congratulate all the new officers who took their 3-year terms in Melbourne, additionally, I would like to congratulate The Malaysian Society for Non-Destructive Testing (MSNT) who were the successful bidder for the 18th APCNDT.

The 20th WCNDT will be held in Incheon, Korea between 27 and 31 May 2024 and the preparation for the conference is well under way. I would like to encourage National Societies to keep in touch with the organizer, KSNT, to register. I would also encourage National Societies to spread this message to your members and participate in the relevant conference and exhibitions.

ECNDT 2023

Our conferences are all back on track, and this year we had one more major event, the 13th ECNDT. The Conference President Bento Alves along with the RELACRE team were sure to put up a great show.

The conference was held in Lisbon, Portugal between 3 and 7 July 2023. We expected a greater participation not only from Europe, but also from the rest of the world.

NDT on a Global Scale

Although we have recovered from the pandemic, the world economy is facing uncertainty due to the ongoing war between Russia and Ukraine which puts the energy situation in imbalance and could deepen economic uncertainty in the rest of the world.

Brent crude has stayed at 90\$ -80\$ / barrel for the last 6 months and staying stable with some recovery in the Oil & Gas Industry, As the world is open new energy innovations are progress with carbon capturing and Green Hydrogen, this will push new projects in energy sector. Aviation industry is back in track with more orders of planes from end users and day by day both passenger and cargo traffic is increasing.

NDT demand is growing in Energy, Transportation, Construction & Manufacturing Sectors, sources saying the NDT & Inspection market would hit 10.3 Billion this year and expect to grow over 7% in the next 5 years.

ICNDT executives met at ECNDT 2023. We had planning WG 1, WG 3 meetings and ISG workshops, alongside with ISO/TC 135 and SC meetings. More certification bodies have migrated to ISO 9712:2021, if you have any questions please contact our ICEC secretariat for more information. I wish everyone good reading, great health peace, prosperity, and growth.



Dr. S.K. Babu
ICNDT Chair,
Non-Destructive Testing
Society Singapore (NDTSS)

The 20th WCNDT Conference

The 20th World Conference on Non-Destructive Testing (20th WCNDT) is coming up in less than six months and the preparation of the conference by the Korean Society for Nondestructive Testing (KSNT) is in progress well underway. The conference will be held on 27-31 May 2024 at Songdo Convensia, Incheon, South Korea.

Important Facts about 20th WCNDT

The 20th WCNDT is such a long-awaited worldwide convention on NDT in eight years since 2016 in München, Germany. Despite the series of postponement due to pandemic, the conference is now proceeding at a rapid pace with all indicators being satisfactory for an outstanding success.

The submission of abstracts was closed as of 31 October 2023 with over 1,000 abstracts submitted. Authors who have submitted abstracts will be notified by 30 November 2023, of the acceptance of the paper into the scientific programme of the conference. The extended abstract or full paper must be submitted by 31 December 2023 for them to be included in the proceedings. Speakers of accepted abstracts are to be asked for registration and payment of the conference fee by 31 December 2023. The extended abstracts and full papers submitted to the 20th WCNDT Proceedings (Not for SCIE Journal submissions) will also be published on NDT.net open access after the completion of the conference. If you are still interested to submit abstracts, you may contact the secretariat at conference@20thwcndt.com for any remaining spots are available.

The 20th WCNDT Organising Committee has invited many renowned speakers including a Nobel Laureate for the plenary and keynote presentations. Three plenary speakers and a number of keynote/invited speakers have been confirmed so far. The conference structure call for a keynote and invited talk on each day and contributed talks of in parallel sessions, as well as poster sessions. At the same

time, 20 special sessions and 2 short courses are to be scheduled on various topics which will contribute to vitalizing the overall scientific programme.

As the conference website continues to be updated regularly with new information on registration, programmes and accommodation, visit the website: www.20thwcndt.com, where you will also find any and all information and contact details.

Sponsorship & Exhibition Opportunities

The 20th WCNDT Organizing Committee welcomes sponsors from interested companies and institutions. By sponsoring at 20th WCNDT, you will be able to have a marketing opportunity with benefits to promote your company brand to global leaders in the field of nondestructive testing.

20th WCNDT offers an array of exciting opportunities designed to increase your visibility, product/service recognition, and sales. Do not miss various sponsorship opportunities of 20th WCNDT. For more information of sponsorship benefits, please refer to the sponsorship section at the website (<https://20thwcndt.com/04/0401.html>) or contact the 20th WCNDT Secretariat at secretariat@20thwcndt.com

To date, over 200 companies involved in the NDT field, either as equipment or service providers, have purchased exhibition space, and total 354 exhibition booths are sold. Should you have interest in reserving exhibition space, please contact via e-mail at exhibition@20thwcndt.com as early as possible.

WCNDT is the biggest world-class event in the fields of NDT, and the 20th WCNDT will prove it. Please make use of the opportunity to become conversant in NDT and to be a part of this prestigious event. For further information, please contact the Conference Secretariat by e-mail: secretariat@20thwcndt.com or by telephone: +82 70 4421 7369, or visit the website at: www.20thwcndt.com

www.20thwcndt.com

World's Largest NDT Conference and Exhibition
with Nobel Laureates' Lectures



20th WCNDT

20th World Conference on Non-Destructive Testing

Songdo Convensia, Incheon, Korea

27-31 May 2024

IMPORTANT DATES

Abstract Submission	31 October 2023
Notification of Acceptance of Abstract	30 November 2023
Submission of Camera-ready Abstract(Mandatory)	31 December 2023
Submission of Extended Abstract or Paper *(optional)	31 December 2023
Registration and Payment of Presenting Author	31 December 2023
Preliminary Program	31 January 2024

Contact Us

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The World Organisation for NDT



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Report of ICNDT WG 1 on Interpretation of ISO 9712:2012

ISO 9712 was published in June 2012. It was a real step forward on the way of harmonization of third party certification. It combined two previous standards EN 473:2008 and ISO 9712:2005. A lot of unclear provisions were eliminated and the standard became more practicable to use.

In spite of this some provisions of the standard still allow PCBs, especially young and inexperienced, to interpret them in a different way. In order to avoid a threat to harmonization process ICNDT Working group 1 "Qualification and certification of NDT personnel" has drafted the Report on interpretation of ISO 9712:2012 which has advisory nature only.

To download the full report please visit the ICNDT WG 1 page on the official ICNDT website at: www.icndt.org/ICNDT-Activities/NDT-Qualification-and-Certification.

Working Group Website Pages

In addition to WG 1, please feel free to view the other WG pages for more information on their activities. Please keep in mind that some of the WG pages are still in development, so be sure to check back periodically as more information is added.

Report of ICNDT WG 4 on New Journal Design and Website Updates

As the world has been opening up, we have all seen the resurgence of NDT activity throughout the world and thus, the need to connect and communicate with those in our industry is as important as ever.

ICNDT WG 4 was established to promote ICNDT activities and disseminate information to other organisations, Federations or Corporations involved with NDT, because of this, I would like to announce that WG 4 will be taking on the responsibility of editing and distributing the ICNDT Journal.

I would like to thank Mr. David Gilbert, former ICNDT WG 4 Chair for his many years of efforts with

the ICNDT Journal and in addition, Ms. Zoe White and BINDT.

Of course I will still be consulting with them in order to make sure the Journal meets the standards they have set.

As I am sure many of you know, the ICNDT website has undergone many positive changes and updates recently and the Journal will as well with the great support of ICNDT Chair, Dr. Sajeesh Kumar Babu. In order to make the ICNDT Journal more accessible, a new, "ICNDT Journals" button has been added to the website that will lead visitors to the most recent edition, as well as, back issues for reference.

Additionally, we have updated the design and layout of the Journal similar to the website, that we hope readers will enjoy and as the ICNDT Journal cannot continue without regular submissions, we kindly ask for the support from all ICNDT members and look forward to reading your contributions.

As the next issue gets closer we will announce the call for submission.

Another recent addition that you may have noticed, from the suggestion of ICNDT Past Chair, Dr. Mike Farley, we have also added a button for the ICNDT Specialist International Groups (SIG's). While we are still in the process of collecting the necessary information for all of the SIG's, currently you will find information for Full Matrix Capture, NDT Reliability and Terahertz Users that we hope will be useful.

In the meantime, if you have any questions or concerns related to WG 4 activities, please feel free to contact us at icndt@jsndi.or.jp



Mr. Shohei Ooka

ICNDT WG 4, Chair
The Japanese Society for
Non-Destructive Inspection, (JSNDI)



ICNDT Photograph Competition 2024 “NDT Stories in Pictures”

Songdo Convensia, Incheon, Korea

Prize

Win the prize of “One Free Full Registration” to the 20th World Conference on Non-Destructive Testing (WCNDT) from 27 to 31 May 2024 in Korea.

Deadline 31 January 2024

Commendation

The winner will be announced on the ICNDT Website by the end of March 2024, and awarded during the 20th WCNDT with a certificate of commendation.

How to apply

To enter the “ICNDT Photograph Competition 2024”, please visit the ICNDT website at www.icndt.org to download all forms and once completed, send it back with one photograph to the ICNDT WG 4 at icndt@jsndi.or.jp.



13TH EUROPEAN CONFERENCE ON NON-DESTRUCTIVE TESTING IN LISBON (3 TO 7 JULY 2023)

It was a privilege for FSEND-RELACRE to organize the largest NDT international technical and scientific event of 2023, in an area with a strong impact on the safety of people and goods.

The event was attended by 1456 participants, from 65 countries, an exhibition area of 1720 m², with 137 companies represented, including equipment manufacturers, with the most advanced non-destructive testing technologies.

More than 350 oral communications and posters were presented, with a special focus on research and development applied to industry.

The Conference Proceedings are available at ndt.net (the largest Open Access Portal of NDT) and a selection of these papers will be published on Scopus Database.

The Conference was a success, representing the complete and total affirmation of FSEND-RELACRE as one of the European NDT associations with the capacity to organize such an event.

The usual parallel meetings of EFNDT, ICNDT, between ICNDT Regions, European Forum for National Aerospace NDT Boards, and ISO/TC 135 were held, totalling more than 20.

Once again, the Academia NDT International Research Day was plenty of great communications.

The Joint EFNDT-ICNDT Workshop: Training, Qualification and Certification – The New 9712 And More, held on the last day of the conference, had a high level of participation given the relevance of the topic.





13th ECNDT
3-7 JULY 2023 | LISBON

3-7 JULY 2023 | LISBON
EUROPEAN CONFERENCE
ON NON-DESTRUCTIVE
TESTING

WWW.ECNDT2023.ORG

WWW.ECNDT2023.ORG



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In the Cradle of ART: Let's Join the Enlightened City !

What about a trip to Italy to meet experts and scientists involved in the study of crucial methods to achieve more successful and long-lasting preservation of works of art and environmental heritage? And what if this meeting should be held in *2023 Italian Capital of Culture Bergamo & Brescia*, the so-called "Enlightened City"?

AIpND is proud to welcome you all in Brescia, its hometown, that will host *ART'23 International Conference on non-destructive investigations and microanalysis for the diagnostics and conservation of cultural and environmental heritage*: the Conference will be held in November 2023 (from Tuesday 28th till Thursday 30th) and it will be hosted at the School of Economics of the University of Brescia, the historical site of the Athenaeum.

With the aim to promote education and competence in this field, the "art" logo was created almost forty years ago and it still represents, in national and international sphere, one of the most successful initiatives in this area. The desired synergy among experts will lead to continuous development of new scientific methods in the fields of preservation, reconstruction and diagnostics of cultural and environmental artworks.

The last edition of the "art conference" was held in Buenos Aires (Argentina) in November 2021 and despite the pandemic period it promoted cooperation among different specialists coming from all over the world and strengthened the relationship especially between the Italian and Latin-American world of NDT.

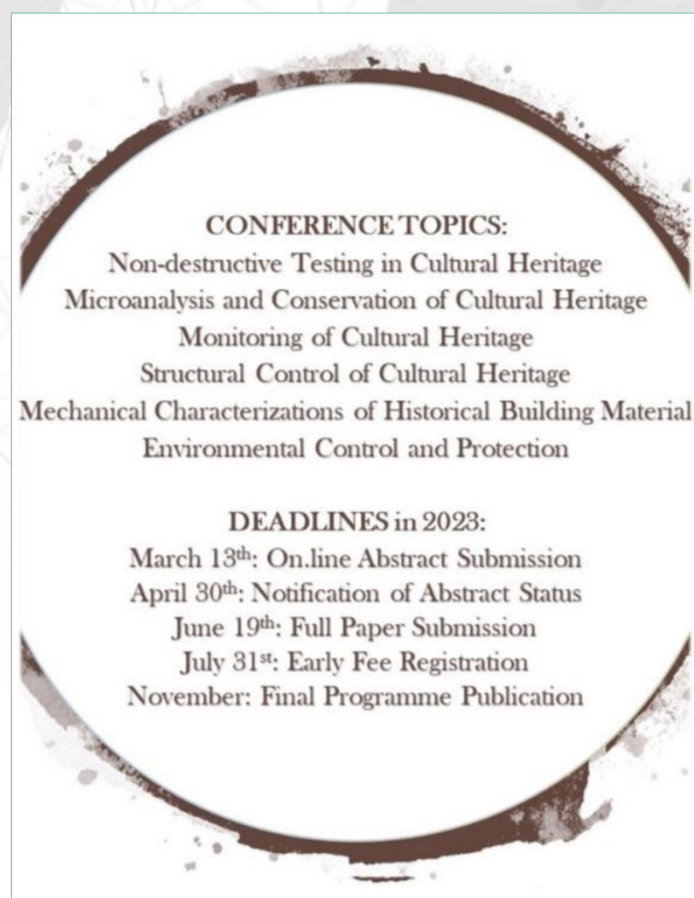
The "art'23 Conference" will strive to achieve funding goals by bringing together delegates, conservation scientists and curators, art historians, analytical scientists and architectural researchers. The technical and scientific programme will include both invited and short presentations and poster sessions that will highlight the application of NDT in many important sectors related to cultural heritage.

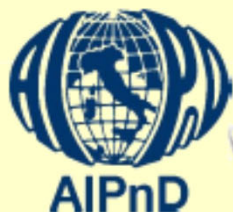
For more details about Abstract Submission and Registrations, please visit the official website of the Conference:

https://www.aipnd.it/art_23_international_conference

AIpND Secretariat is at your complete disposal for any further information (art@aipnd.it).

See you in Brescia!





UNIVERSITÀ
DEGLI STUDI
DI BRESCIA

art'23

14th International Conference on non
destructive investigations and microanalysis
for the diagnostics and conservation of
cultural and environmental heritage



2023, November 28th/30th

School of Economics of the University of Brescia
Via San Faustino, 74/B - Brescia

Report on ASNT 2023 from the Norwegian Society of NDT

The Norwegian Society of Non-Destructive Testing would like to share with you our impressions from our participation on the ASNT Annual Conference in Houston this October.



Israel and Norway



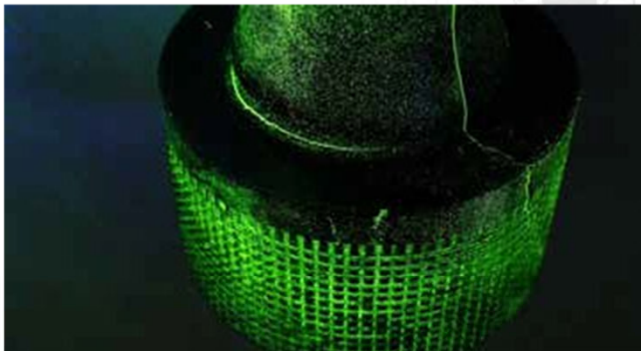
The President of EFNDT together with the representative from the Norwegian NDT Society during ASNT's banquet dinner



The representatives from the NDT Societies in Brazil, Argentina and Norway. In the centre of the picture is (blue tie) Paul Lang, Executive Director of ASNT.

NDT Level III Seminar

The Norwegian Society would also like to inform the readers of the ICNDT Journal of our NDT Level III Seminar in Oslo November 21st – 22nd. Please refer www.ndt.no for more details about this event.



NDT NIVÅ 3 SEMINAR 2023

Clarion Hotel Oslo Airport, Gardermoen, 20.-21. november



NORSK FORENING FOR IKKE-DESTRUKTIV PRØVING
NORWEGIAN SOCIETY FOR NON-DESTRUCTIVE TESTING

Report on APCNDT 2023

After being postponed from its original date of 18 to 22 October, 2021, the 16th Asia-Pacific Conference for Non-Destructive Testing successfully took place in Melbourne, Australia on 28 February to 3 March, 2023. The four day event was organised and superbly executed by the Australian Institute for Non-Destructive Testing (AINDT) at the Melbourne Convention and Exhibition Centre (MCEC).

During the conference over 40 technical sessions were held covering an array of topics, but not limited to Ultrasonics, Surface Methods, Eddy Current, Thermography, Radiography, NDT 4.0, Commercial Presentations and Panel Discussions. The conference was opened by APCNDT 2023 President, Mr. Paul Grosser, who led the APCNDT organising committee despite the many obstacles brought on from the global pandemic. It goes without saying the conference would not have been a success without his unwavering dedication to holding the event.

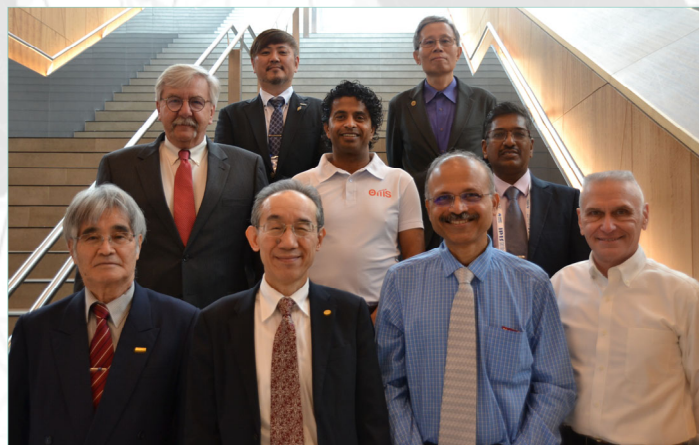


APCNDT 2023 President, Mr. Paul Grosser, during the opening ceremony.



In conjunction with APCNDT 2023 the Asia-Pacific Federation for Non-Destructive Testing (APFNDT) held various meetings such as Task Groups (TG), Executive Committee (AEC)/Board and two General Assemblies (GA's). The two GA's took place on 1 to 2 March 2023 to approve official business such as financials, awards, bids to host the 18th APCNDT and as many AEC/Board members terms had expired, elections needed to be carried out.

Over the year, the APFNDT Secretariat collected official documentation from candidates such as nominations and CV's that were discussed first with the AEC then Board and finally distributed to the APFNDT Members to be voted on during GA 2. Please see the following page for election results for continuing and elected members of the APFNDT AEC/Board.



Newly elected APFNDT Executive Committee (AEC) 2023-2026



APFNDT General Assembly 1 (GA 1)

APCNDT 2023 (Continued) APFNDT Executive Committee (AEC) and Board Members 2023-2026

APFNDT Executive Committee (AEC) 2023-2026	
President	Dr. Takamasa Ogata (JSNDI)
Vice-President	Prof. Krishnan. Balasubramaniam (ISNT)
Immediate Past President	Dr. Norikazu Ooka (JSNDI)
General Secretary	Mr. Paulchamy. Pugalendhi (NDTSS)
Treasurer	Mr. Kevin Smith (ASNT)
APCNDT 2026 President	Mr. Danny Keck (ASNT)
Secretariat Representative	Mr. Shohei Ooka (JSNDI)
Auditor	Dr. Sajeesh Kumar Babu (NDTSS)

Regional Representative Group One Western/Central/South Asia	
Mr. Diwakar D. Joshi	(ISNT)
Mr. Alexander Mullin	(RSNTTD)
Regional Representative Group Two East/South East Asia	
Dr. Ji jingyuan	(ChSNDT)
Prof. Ik-Keun Park	(KSNT)
Dr. Ilham Mukriz Abidin	(MSNT)
Prof. Chih-Hung Chiang	(SNTCT)
Regional Representative Group Three Pacific, Oceania	
Mr. Pranay Wadyalkar	(AINDT)
Mr. Neal Couture	(ASNT)



APFNDT General Assembly 1, AEC, Board, Voting Delegates and Secretariat.

The American Society for Non-Destructive Testing Update

ASNT had a phenomenal turnout for ASNT 2023: The Annual Conference. ASNT 2023 brought together 2220 attendees from 41 countries and 43 states to share engaging content, including 85 thought-provoking sessions and the latest nondestructive testing (NDT) technology showcased by 218 exhibitors. ASNT 2023 delivered a wealth of insights and fostered collaborations and partnerships that will shape the NDT industry in the years to come.

During the conference ASNT unveiled a fresh and innovative ASNT logo, symbolizing the remarkable growth of the ASNT brand. This cutting-edge design aims to inspire both existing and new members while projecting a sleek, high-tech image. Look out for the official launch of the new brand in early 2024.

ASNT is excited to share a new NDT awareness video to introduce the world to NDT and explain: "What is Nondestructive Testing?" Developed for those with minimal awareness of NDT, the video delves into the critical role that NDT plays in various industries, shedding light on its significance and impact. ASNT encourages NDT professionals to share the video to spread the word about NDT and its vast career potential. Visit www.youtube.com/asntinfo/videos.

ASNT is now in the second year of the implementation of its strategic plan. Many of the objectives have already been accomplished and have adjusted the timelines and milestones to others. The Strategic Management Committee recently approved the release of the 2023 plan update which is published on asnt.org.

The ASNT 9712 program was launched in April 2023 with the release of the UT, PT, MT, and RT certifications for Level II and III personnel. ASNT has self-certified the program and complies with ISO 9712:2021 Non-destructive testing — Qualification

and certification of NDT personnel, and over the next two years the required data points will be developed and obtain ANSI accreditation of the program. ASNT expects to release additional methods and industry exams over the next few years. The program is currently available in Houston and Chennai, India, as well as at client sites upon request. The ASNT 9712 program replaces the ACCP program which is being sunsetted over the next two years.

The Industry Sector Qualification for Oil & Gas, with UT Thickness, Shear Wave, and Phased Array exams are presently available, and several more qualifications planned over the next two years. In addition, ASNT Certification Services is assessing options for development of its next industry qualification. They are also assessing the feasibility of integrating the Industry Sector Qualification program into the ASNT 9712 program.

To improve the value of membership through content and engagement, ASNT successfully acquired and integrated NDT Classroom, which is the industry's leading online training platform. NDT Classroom has quickly proven to be a valuable member benefit as it brings cost-effective, quality training to ASNT members.

Last October, the ASNT Board approved the establishment of a training and certification facility in Houston to support the oil and gas industry in the Gulf Coast region. The new facility opened in April this year and has begun conducting CBT and practical certification exams and training courses there.

Over the coming years, ASNT will enhance and expand its education offerings through in-person courses which include hands-on lab practical, and establish partnerships with other education and training providers through the ASNT Franchise program.

ASNT's public relations campaign has really taken off this past year. In partnership with Stanton Communications, featured content in numerous industry publications addressing current issues, trends, and technologies within the NDT Industry have been published. ASNT has harnessed the expertise of 15 subject matter specialist members to respond to media inquiries, facilitate public education through interviews, and contribute article content. There are 9 published articles in industry magazines and several interviews on time-sensitive issues. ASNT has been featured by The Hill, The Associated Press, Construction Executive, Civil & Structure Engineer, Aerospace Manufacturing, and others.

ASNT entered the world of legislative affairs, led by ASNT Board member Jason Riggs, who chairs the legislative affairs subcommittee. ASNT is developing an agenda which is focused on informing and educating key members and staffers in federal and state legislatures about NDT and its applications, technologies, and innovation opportunities, and to advocate for regulations and policy that support further NDT adoption, utilization, and certification requirements. This not only includes educating government officials about what NDT is, but also what federal and state regulations currently exist requiring employment of nondestructive evaluation and testing methods and how they may be enhanced.

The ASNT Foundation conducted its inaugural Golf Tournament fundraiser in Houston on Saturday prior to the Annual Conference. The Foundation also conducted an auction in the exhibit hall during the conference, culminating in a special auction at ASNT Celebrates! on Wednesday evening.

The Foundation also established two new scholarship funds – one each in the names of Chuck Hellier and James Treat – to provide scholarships for undergraduate and continuing education programs.

Clearly ASNT has made tremendous progress in its strategic plan over the past two years, but much work remains to be done. Please visit asnt.org for more information on the strategic plan.

ASNT Events

ASNT Rewind

7 February 2024 | Online (free to members)

Advanced Imaging for NDT

16-18 April 2024 | Hyatt Regency | Cincinnati, OH

32nd ASNT Research Symposium

24-28 June 2024 | David L. Lawrence Convention Center | Pittsburgh, PA

ASNT 2024

21-24 October 2024 | Caesars Forum | Las Vegas, NV



CONAENDI 2023 - Conference and Exposition: absolute success

The 39th edition of CONAENDI, the largest NDT and Inspection Conference and Exhibition in Latin America, held in São Paulo, Brazil, was once again marked by the extremely high technical/scientific level of the technical works and presentations. However, this time, upon returning to the in-person format, it was also characterized by reunions between friends and intense engagement on social media. From September 20th to 22nd, the Frei Caneca Convention Center brought together more than a thousand participants, including researchers, engineers, technicians, Non-Destructive Testing inspectors, company representatives, teachers and students; divided into five conference rooms (simultaneous) and an equipment and product exhibition area with more than 40 booths.

For three days, CONAENDI had presentations and debates between the main Brazilian and international experts, on central topics for the global production chain, such as new NDTs technologies, NDT 4.0, Artificial Intelligence, Failure Analysis, Structural Integrity Management, seeking to understand to what extent these themes have been impacted by new trends, especially when applied in segments such as Aerospace, Oil and Gas, Nuclear, Renewable Energy, Rail, Mining, Civil Construction and Safety. Among the highlights of the program, two caught attentions: the startups session that presented projects on important topics such as sensors for railways, computer vision, ROV scanning, graphene and carbon nanotubes and the launch of the book "The World of END 4.0" , written by Drs. Ripi Singh and Johannes Vrana and translated into Portuguese by ABENDI.



International NDT and wood evaluation event will be in Brazil.

Brazil will host from September 17 to 21, 2024, the 23rd International Nondestructive Testing and Evaluation of Wood Symposium. The event will present the results of the most recent work and research in Nondestructive Testing and Evaluation of Wood, carried out by engineers, researchers, and scientists from around the world and will be an opportunity to encourage international collaborative efforts and promote the implementation of NDT/NDE technologies on the planet.

The event is co-hosted by the School of Agricultural Engineering (FEAGRI) of University of Campinas, the USDA Forest Service Forest Products Laboratory (FPL), the Forest Products Society (FPS), the Brazilian Society for Nondestructive Testing and Inspection (ABENDI) and sponsored by the International Union of Forest Research Organization (IUFRO) Division 5.

Attendees will include professionals involved in Non-Destructive Testing of wood, international researchers, users of various non-destructive evaluation technologies, representatives of equipment manufacturers, government agencies, among others. English will be the official language of the event. For more details, please access <https://www.ndtesymposium.org/about>

Key Conference Dates

September 1, 2023 -- Call for Papers Open

January 15, 2024 -- Deadline for Abstract Submission

March 1, 2024 -- Notification of Abstract Acceptance to Authors (oral and poster)

May 1, 2024 -- Deadline for Full Paper Submission and Opening of Early Registration

August 15, 2024 -- Deadline for Early Bird Registration



INDTN National Conference 2024

National assets and infrastructures are engines for economic growth and social transformation. Shortly after the independence in 1960, Nigerian Government embarked on the acquisition of massive infrastructures, coupled with the ones inherited from the colonial masters. Nigeria had a huge transport infrastructure, admirable port facilities, functional refineries, and power generation infrastructure. But where are these infrastructures today? They deteriorated and collapsed within 20 years after commissioning. The questions are what went wrong? Is it a case of management incompetence, lack of technical competence, or lack of funds to maintain these infrastructures?

To address these questions and many more, the INDT Conference 2024 brings an extraordinary gathering of the leading non-destructive testing professionals, government agencies, NDT companies, facility managers, integrity management experts in Construction, Fabrication, Power, Oil & Gas, Defence, Petrochemical, Marine, Automobile and Aviation industries. The conference will provide a platform for proffering solutions to challenges associated with managing critical assets and aging infrastructures in the power, oil & gas, and transport sector.

Conference Tracks

- Life extension for critical oil & gas infrastructure
- Safety of aircrafts and detecting fatigue in aging aircrafts
- Integrity and management of aging vessels
- Managing aging power infrastructure
- Managing aging oil refineries
- Sustainable rail line development and maintenance
- Integrity of surface and subsurface pipeline
- Training & Certification of NDT personnel
- The Impact of Regulations on the development of NDT education and practice
- Integrity of nuclear plants and its facilities
- NDE Codes & Standards
- NDT in Aerospace, Railways, Ship, Automobile and Civil Engineering infrastructure Systems
- Integrity monitoring of boilers, pressure vessels, tanks, piping systems and critical offshore structures
- The role of NDT in the safety and maintenance of bridges
- Structural health monitoring systems
- Standardization of NDT practices

Important Deadlines

Abstract deadline - 21st December 2023

Authors notified - 7th January 2024

Full paper deadline - 31st January 2024

For more information, contact

Email: info@indtn.org OR conference@indtn.org,

Website: www.indtn.org





INSTITUTE OF NON-DESTRUCTIVE TESTING, NIGERIA

2ND INDT NATIONAL CONFERENCE 2024

CALL FOR PAPERS

The Role of Non-Destructive Testing in Preserving & Optimizing Critical National Assets & Infrastructures

Venue: Sheraton Hotel and Towers, Ikeja Lagos Date: 22-23 March 2024

National assets and infrastructures are engines for economic growth and social transformation. Shortly after the independence in 1960, Nigerian Government embarked on the acquisition of massive infrastructures, coupled with the ones inherited from the colonial masters. Nigeria had a huge transport infrastructure, admirable port facilities, functional refineries, and power generation infrastructure. But where are these infrastructures today? They deteriorated and collapsed within 20 years after commissioning. The questions are what went wrong? Is it a case of management incompetence, lack of technical competence, or lack of funds to maintain these infrastructures?

To address these questions and many more, the INDT Conference 2024 brings an extraordinary gathering of the leading non-destructive testing professionals, government agencies, NDT companies, facility managers, integrity management experts in Construction, Fabrication, Power, Oil & Gas, Defence, Petrochemical, Marine, Automobile and Aviation industries. The conference will provide a platform for proffering solutions to challenges associated with managing critical assets and aging infrastructures in the power, oil & gas, and transport sector.

Conference Tracks

- ☐ Life extension for critical oil & gas infrastructure
- ☐ Safety of aircrafts and detecting fatigue in aging aircrafts
- ☐ Integrity and management of ageing vessels
- ☐ Managing ageing power infrastructure
- ☐ Managing ageing oil refineries
- ☐ Sustainable rail line development and maintenance
- ☐ Integrity of surface and subsurface pipeline
- ☐ Training & Certification of NDT personnel
- ☐ The Impact of Regulations on the development of NDT education and practice
- ☐ Integrity of nuclear plants and its facilities
- ☐ NDE Codes & Standards
- ☐ NDT in Aerospace, Railways, Ship, Automobile and Civil Engineering infrastructure Systems
- ☐ Integrity monitoring of boilers, pressure vessels, tanks, piping systems and critical offshore structures
- ☐ The role of NDT in the safety and maintenance of bridges
- ☐ Structural health monitoring systems
- ☐ Standardization of NDT practices

Abstract Submission

- ☐ Selection of abstract would be based on technical quality, relevance and their potential for generating discussion.
- ☐ Field case studies papers are highly encouraged.
- ☐ Maximum 350 words
- ☐ Give a clear background, motivation, and objective of the work.
- ☐ Give a brief explanation of the technical content of the work.
- ☐ Provide a concise conclusion and recommendation.
- ☐ State the name and contact details of the author and co-author(s)

Format of Delivery

Authors would be allowed 20 minutes to present their paper, and questions would be taken during the discussion of the topical issues in which the speakers would participate.

Important Deadlines

Abstract deadline - 21st December 2023
 Authors notified - 7th January 2024
 Full paper deadline - 31st January 2024

For more information, contact

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Calendar of NDT Events 2023 - 2026

Date	Location	Event Title	Information
7 - 9 Dec. 2023	Pune, India	Annual Conference: NDE 2023	www.isntnde.in
27 - 31 May 2024	Incheon, Korea	20th WCNDT	https://20thwcndt.com/
10 - 13 June 2024	Potsdam, Germany	EWSHM 2024	https://www.ewshm2024.com/frontend/index.php
11 - 13 June 2024	Ontario, Canada	NDT in Canada 2024	https://www.cinde.ca/conference/
18 - 20 Sep. 2024	Potsdam, Germany	EWGAE 2024	https://www.ewgae2024.com/frontend/index.php
15 - 18 Oct. 2024	Beijing, China	The 3rd WCCM	https://www.wccm2021.com/committee.php
21 - 24 Oct. 2024	Las Vegas, Nevada, USA	ASNT 2024	https://www.asnt.org/MajorSiteSections/Events
09 - 12 June 2025	Niagara Falls, Canada	PANNDT 2025	www.panndt.org
06 - 09 Oct. 2025	Orlando, Florida, USA	ASNT 2025	https://www.asnt.org/MajorSiteSections/Events
11 - 14 May 2026	Honolulu, Hawaii, USA	APCNDT 2026	www.apcndt2026.com
15 - 19 June 2026	Verona, Italy	ECNDT 2026	https://www.efndt.org/Organisation/European-Conference
12 - 15 Oct. 2026	Columbus, Ohio, USA	ASNT 2026	https://www.asnt.org/MajorSiteSections/Events

If you have an NDT event that you would like to promote please contact ICNDT WG 4 Chair,

Mr. Shohei Ooka, at icndt@jsndi.or.jp

To see the most up to date list of ICNDT Events, please visit www.icndt.org

MEMO