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The World Organisation for NDT

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ICNDT Chair's Message

20th WCNDT: A Landmark Success for the Global NDT Community

I am glad to address you all as we embark on our new term at ICNDT. I extend my heartfelt thanks to all our members for their confidence in re-electing me as the chair of ICNDT.

Our executives have been renewed at the General Assembly, with Mr. Casper Wassink from KINT joining us as the new Treasurer. I would like to extend our deep gratitude to our outgoing Treasurer, Mr. Gerhard Aufricht from Austria, who has diligently built our finances over the years, elevating our not-for-profit organization to new heights. Additionally, we have elected Dr. Bento Alves from RELACRE as our WG1 Chair and Mr. David Bajula from ASNT as our WG2 Chair. Our existing officers have graciously agreed to continue their support, propelling ICNDT into its next dimension of growth.

The ICNDT Strategic Plan has been updated at the 20th WCNDT and will soon be available for member comments. It will be implemented by various working groups to ensure our collective goals are met. During the conference, ICNDT renewed its Memorandum of Understanding (MOU) with IIW for an additional five years, fostering greater cooperation between our two leading organizations.

The 20th WCNDT was a landmark success, providing exhibitors and users with a fantastic opportunity to meet, interact, and exchange new technologies after an eight-year hiatus. KSNT, the host of the event, did a superb job in making the conference truly international and ensuring that both the conference and exhibition ran seamlessly. Their efforts have set a high standard for future events. The ISO TC 135 meetings along the conference were led by JSNDI, various resolutions were passed in this historic event.

I am also pleased to announce that the 22nd WCNDT has been awarded to Singapore after a rigorous voting process. As a Singaporean, this is a historic moment for our island nation, and I believe the NDTSS will exceed global expectations when the time comes. Meanwhile, the Argentinian society AANDE will host the 21st WCNDT in Buenos Aires—stay tuned to reserve the dates.

A recent research article from Market Research Future projects that the non-destructive testing (NDT) services market will grow to USD 23.4 billion by 2032, exhibiting a compound annual growth rate (CAGR) of 13.50% during the forecast period (2024-2032). An increasing number of businesses are adopting renewable energy sources to produce the electrical energy needed to run their operations, significantly driving the NDT services market growth.

As we look to the future, it is imperative that we focus on increasing productivity in NDT testing and embrace new technologies. Advancements in digital radiography, phased array ultrasonic testing, Eddy current Array and visual data integration from test results, and AI integration for interpretation will not only enhance our capabilities but also ensure we stay ahead in a rapidly evolving industry.

I wish everyone good reading and great health, with peace, prosperity, and growth.

Nice Greetings

Dr. Sajeesh K BABU
Chair – ICNDT

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



The 20th WCNDT Hailed as a Great Success

Having been forced to postpone the 20th World Conference on NDT (20th WCNDT) from its originally planned dates of June 2020 to May 2024, due to global impact provoked by the COVID-19 pandemic, the Korean Society for Nondestructive Testing (KSNT) did a wonderful job and the conference was a huge success.

The venue for the 20th WCNDT was Songdo Convensia, Incheon, Korea, which took place from 27-31 May 2024. The success of this event is due entirely to the dedication and commitment of the 20th WCNDT Organising Committee and all related parties who were motivated to provide attendees with the most unforgettable memories at the World Conference of NDT, as everyone might have been waiting for this event for such a long time.

Opening Ceremony was held on Monday, May 27th. Dr. Dong-Jin Yoon, Organising Committee Chair, officially announced the opening of the 20th WCNDT, and then Prof. Kyung-Young Jhang, KSNT President, welcomed all attendees on behalf of the KSNT. Dr. Sajeesh K Babu, ICNDT Chair, provided a heartfelt thank you to all for contributing to the success of the World Conference. Dr. Babu then congratulated the winners of 2024 ICNDT awards. Each was presented with a plaque recognising their contributions to NDT in each of their respective areas.



Dr. Dong-Jin Yoon, 20th WCNDT Organising Chair, 'starts off' the World Conference in Incheon, Korea



Dr. Sajeesh K. Babu, ICNDT Chair, delivers "Welcome Message"

ICNDT award winners:

HAVERCROFT AWARD

For major contribution to NDT Education, Training and Certification

Winner: **The American Society for Nondestructive Testing (ASNT)**

PAWLOWSKI AWARD

For major contribution to the promotion of NDT Internationally

Winner: **Mr. David Gilbert**

ROENTGEN AWARD

For major contribution to science and technology of NDT

Winner: **Dr. Shant Kenderian**

SOKOLOV AWARD

For major contribution to NDT Research

Winner: **Prof. Roman Maeв**

YOUNG ACHIEVER AWARD

For achievement of young people in NDT

Winners: **Dr. Misty Haith and Dr. Hogeon Seo**



Winners of ICNDT Awards

The 20th WCNDT Hailed as a Great Success

The total number of participants in the 20th WCNDT was 3,145 from 64 countries, including 1,422 from Korea. Over 900 presenters and more than 250 exhibitors carried out their role during the five-day period of the World Conference.

The Scientific Programme Committee, consisting of 18 members, implemented an excellent scientific programme for the conference of the five-day duration. The scientific sessions were organised from 936 submitted abstracts, 764 of which were oral and 174 were poster presentations. Poster presentations were displayed throughout the five-day period of the Conference. To further enrich the contents of the World Conference, 22 keynote speakers and 27 invited speakers were invited in addition to three distinguished plenary speakers.

As the first plenary speaker, Prof. Tai Sik Lee provided the audience with his presentation “NDT:Pioneering the Final Frontier”. The second plenary talk was given by Prof. Dr. Bernd Valeske, entitled “Cognitive Sensor and Data Systems for NDE of Materials and for Use within Circular Economy”. Prof. Takaaki Kajita, 2015 Nobel Laureate in Physics, presented the third plenary talk entitled “Neutrinos - Key Particles for Our Understanding of the Smallest Particles and the Largest Universe”, in line with the programme of NDT Academia Research Day.

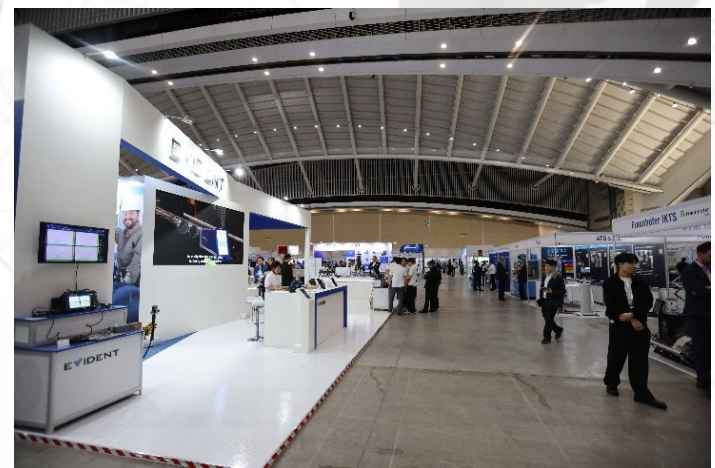
The impressive exhibition, which covered a good deal of floor space in a large hall adjacent to the conference hall, featured some 236 exhibiting companies from all over the world and 25 NDT societies from across the ICNDT regions. All refreshment breaks and lunches were held in the exhibition hall.

The ICNDT activities embraced various committee meetings and workshops during the Conference, including two ICNDT General Assembly meetings,

including two ICNDT General Assembly meetings, Working Group meetings, ICNDT Executives and SIG meetings, and workshops on NDT Frontiers, Certification bodies, and SIG of NDT Reliability and Human Factors. The Conference was followed by ISO meetings on Saturday, June 1st and Sunday, June 2nd.



Cutting-the-tape ceremony for the official opening of the 20th WCNDT exhibition



Exhibition hall at the 20th WCNDT in Songdo Convensia



The 20th WCNDT Hailed as a Great Success

On the social function of the Conference, several social events were planned throughout the week for delegates in order to let them enjoy the mixture of academic and business affairs and a bit of pleasure. The “Gala Dinner” on Wednesday evening featured the sounds of Korea and the “Cultural Night” on Thursday evening was designed to provide opportunities to experience various features of Korean culture under a casual, relaxing atmosphere in which delegates could meet new friends and reacquaint with old ones.

The closing ceremony provided a sketch of the

week’s activities by screening arrays of photos, leaving a lasting impression of this brilliant event. Presentations by relevant societies for the promotion of upcoming regional conferences followed, and everyone bid farewell until the 21st WCNDT in Buenos Aires, Argentina, in 2028.

Reported by KSNT

The Conference Proceedings are available for download at the official website ([click here to download](#)). You can also re-visit the memories of the 20th WCNDT in the [photo gallery](#) and the [sketch video](#) that have captured the exciting moments of the conference.

20th WCNDT homepage link www.20thwcndt.com



Delegates attending the ICNDT General Assembly in Incheon



Delegates waving farewell at the closing ceremony

ICNDT Award for Gerhard Aufricht

ÖGfZP is pleased to announce that Mr. Gerhard Aufricht has been distinguished with the Award for Voluntary Effort of the International Committee for Non-Destructive Testing (ICNDT) at the World Congress 2024 (WCNDT) in South Korea.

This award recognizes his long-standing commitment and expertise as Treasurer of the ICNDT over a period of twenty years. Mr. Gerhard Aufricht was previously appointed an Honorary Member of the ICNDT in 2000 and received the prestigious Pawlowsky Award in 2008 in recognition of his outstanding contributions to the international promotion of NDT.

The ÖGfZP is extremely proud to have such a highly respected personality in its ranks and warmly congratulates Mr. Gerhard Aufricht, our former Managing Director and President as well as Honorary Member, on this new award.

Wolfgang Schützenhöfer | President ÖGfZP

Reported by ÖGfZP



Mr. Gerhard Aufricht

FCNDT 2024

1st Formosa Conference on Non-Destructive Testing

National Cheng Kung University (NCKU), Tainan, Taiwan
3-4 October 2024

The 1st Formosa Conference on Non-Destructive Testing (FCNDT 2024) is organized by the Society for Nondestructive Testing & Certification of Taiwan (SNTCT). FCNDT 2024 will take place in the historically significant Tainan City, Taiwan, renowned for its rich cultural heritage and diverse culinary delights. This conference invites professionals from across the industry and academia to actively participate, connect, and collaborate. Please find the detailed information at <https://www.sntct-eng.org/fcndt2024>.

Focus and Scope

Mechanical Engineering	Electronics and Electrical Industry	Aerospace Engineering
Petrochemical Industry	Rail Transportation and Traffic Industry	Advanced Manufacturing
Energy Industry	Infrastructure and Civil Construction	Biomedical Field

Methods and Techniques

Acoustic Emission (AE)	Electromagnetic Testing (ET)	Infrared Testing (IRT)
Leak Testing (LT)	Magnetic Testing (MT)	Penetrant Testing (PT)
Radiographic Testing (RT)	Ultrasonic Testing (UT)	Visual and Optical Testing (VT/OT)
Structural Health Monitoring	Modeling and Simulation	NDT-General
Personnel Training and Certification	Quantitative NDT	Standardization
Wind Turbine (WT)	NDE 4.0 / AI	Biomedical Testing

Submission Guideline and Important Dates

Participants can submit papers for
 (a) paper competitions or (b) regular publications.
 Each submission could be for
 (1) oral presentation or (2) poster presentation.

Guideline of paper length:

- (a1) Oral paper competition: 10–12 pages.
- (a2) Poster paper competition: 2–12 pages.
- (b1) Oral regular paper: 3–12 pages.
- (b2) Poster regular paper: 2–12 pages.

Important Dates:

- * Paper Submission Deadline : 8/15, 2024
- * Announcement of Paper Acceptance : 8/30, 2024
- * Final Paper Submission Deadline : 9/10, 2024
- * Last Day of Early-Bird Registration : 8/15, 2024

Venue

International Conference Hall,
 National Cheng Kung University (NCKU)
 1 University Rd., East Dist., Tainan, Taiwan

SNTCT : <https://www.sntct-eng.org/>
 Contact Person : Prof. Po Ting Lin, NTUST, Taiwan
 Email : potinglin@mail.ntust.edu.tw
 Phone : +886-983-033-147



(FCNDT Website)

Version 07 (Updated at 03/01/2024)





Driving Safety and Sustainability through Non-Destructive Testing

CALL FOR PAPERS

The fifth iteration of the Singapore International Non-destructive Testing Conference and Exhibition (SINCE2025) organised by the Non-Destructive Testing Society Singapore (NDTSS) will take place at the Holiday Inn Singapore Atrium on Thursday 27th and Friday 28th February 2025.

The conference includes a technical programme that will present the latest research and technology developments as well as practical applications of NDT in all major industrial areas. The technical programme will feature keynote presentations from internationally-renowned industry leaders. The associated exhibition will emphasise the close links between research and development and the equipment and instruments used in the industry.

SINCE2025 aims to provide a unique opportunity to establish contacts and exchange experience, new developments and ideas with local, regional and international delegates from a wide range of expertise.

The next generation of industrial production and product lifecycle management encompasses the complete networking of all industry areas (Industry 4.0). NDT has to follow these trends by not only adapting NDT techniques to new technologies such as additive manufacturing, but also by introducing the capabilities of cyber systems into the inspection and maintenance processes. The conference theme “Driving Safety and Sustainability through Non-Destructive Testing” encompasses these developments.

SINCE2025 welcomes original contributions from practicing NDT professionals, engineers, scientists and developers in academia, research and industry (manufacturers, suppliers, service providers and end-users) on any aspect of non-destructive testing and evaluation including, but not limited to, the following areas:

- Digitalisation and NDE 4.0
- Novel and Non-traditional NDT Techniques and Applications
- Infrared Testing, Thermography, Thermal NDT
- Ultrasonic Testing (UT)
- Long Range Guided Wave Inspection (LRUT)
- Laser-based NDT
- Radiographic Testing including Computed Tomography
- Visual and Optical Testing
- Penetrant and Leak Testing
- Acoustic Emission Testing
- Magnetic Testing
- Eddy Current, Flux leakage and Electromagnetic Testing
- NDT for Additive Manufacturing
- Signal and Image Processing in NDT/NDE
- Modelling and Simulation
- Materials Characterisation
- Automation of NDT/NDE
- Education, Training and Certification

Full event details are available at

www.SINCE2025.org

Organiser



Supporting Organisations



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Abstract Submission

1. Abstract submission will be open until 30th November 2024. Early submission is welcomed and strongly encouraged.
2. Abstract submission shall be via the EasyChair link below:
<https://easychair.org/conferences/?conf=since2025>
3. All submissions must be in English.
4. Notice of Acceptance will be issued within 14 days of abstract submission.
5. Authors whose submissions are accepted must register for the conference by 30th November 2024 via the Conference Website:
6. Final versions of the accepted papers will be made freely accessible of NDT.net – Open Access Archive in a special issue of the e-Journal of Non-Destructive Testing ISSN 1435-4934 (www.ndt.net/eJNDT).
7. Full details of abstract/paper submission and presentation arrangements are provided on the website.

Important Dates

Abstract Submission	30 th November 2024
Notice of Acceptance	Within 14 days of submission
Author Registration	30 th November 2024
Paper and Presentation Submission	31 st December 2024
Event Dates	27 th – 28 th February 2025

Registration Fees

Type of Delegate	Early Bird Rate By 30th November 2024 (S\$)	Standard Rate From 1st December 2024 (S\$)
Presenting Authors NDTSS Members (incl. MSNT, AINDT, CHSNDT, ISNT members)	475	600
Delegate – Local/Overseas	600	700
Student* – Local/Overseas	300	300

Rates include two-day conference pass, daily lunch and refreshments and dinner on 27th February 2025

*Dinner not included for student registrations

Additional dinner tickets are available at S\$200.

Contact Us

Non-Destructive Testing Society Singapore
 9 Jurong Town Hall Road, #02-21, Singapore 609431
 Event Secretariat
 Mr Pugalendhi
SINCE2025@ndtss.org.sg

Organiser



Supporting Organisations



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ASNT Update

The International Conference and Exhibition on NDE (ICENDE) will be co-hosted by ASNT India and the ASNT India Section 22 to 24 August 2024. The three-day conference will offer presentations and technical sessions from eminent specialists, with actual case studies and practical industrial applications covering various industry sectors, including oil and gas, power, mining, aerospace, and transportation. This event will offer a platform to interact, exchange information, and share knowledge, best practices, trends, and issues. Visit <https://icende.in> for more information.

ASNT 2024 (the Annual Conference) 21 to 24 October 2024 is in Las Vegas, Nevada. Join us for this year's annual conference to engage with other NDT professionals and learn about advancements in the industry - from artificial intelligence and machine learning to an ever-changing workforce. ASNT 2024 will be hosted at Caesars Forum, Harrah's and the LINQ. Keynote speakers include Tamara Robertson, an engineer, actor and myth buster and her keynote will address engaging STEM to help fill the gaps in the workforce pipeline. Also hear from Shawn DuBravac who is an AI/ML futurist and economist. For more information visit www.asnt.org/events.

ASNT recently announced the launch of NDT ProTracker, an exclusive new member benefit set to revolutionize the way NDT professionals manage professional development. ASNT members now have complimentary access to this progressive web app designed to empower their careers. ASNT members have exclusive access to this innovative tool through 31 December 2024. Visit ndtprotracker.com activate your benefit and elevate your NDT career with NDT ProTracker.

ASNT is setting up eight Industry Sector Councils to advise the ASNT Board of Directors and serve as resources for their respective industries. The eight councils include the Energy Council, Aerospace

Council, Infrastructure Council, Transportation Council, Manufacturing Council, NDT Services Council, NDT Equipment Council, and NDT Education and Training Council. These councils will provide guidance on key topics, including stakeholder relationships, market opportunities and challenges, economic trends, workforce development, education and training, legislative advocacy, codes and standards, and certification and accreditation. We are looking for volunteers to join these councils. Please visit www.asnt.org/volunteer.

Starting in late summer 2024, ASNT Certification Services will launch a new accreditation process for NDT training organizations in the United States to become an Authorized Training Organization (ATO). This initiative aims to elevate the standards and quality of NDT training. Stay tuned for more details

Reported by ASNT



India | India Section

INTERNATIONAL CONFERENCE & EXHIBITION ON NDE
ICENDE - 2024
 22nd, 23rd & 24th August 2024
 Venue: Ramoji Film City, New Princess Convention
 Hall 1 & 2 Hyderabad, Telangana - 501512



ASNT 2024
ENAGE

Calendar of NDT Events 2024 - 2026

Date	Location	Event Title	Information
20-21 Aug. 2024	Selangor, Malaysia	7th MINDTCE	https://mindtce.com.my/
22-24 Aug. 2024	Telangana, India	ICENDE 2024	https://icende.in/home
3-5 Sep. 2024	Telford, UK	NDT 2024 and MT 2024	https://www.bindt.org
18-20 Sep. 2024	Potsdam, Germany	EWGAE 2024	https://www.ewgae2024.com
15-18 Oct. 2024	Beijing, China	The 3rd WCCM	https://www.wccm2021.com
21-24 Oct. 2024	Nevada, USA	ASNT 2024	https://www.asnt.org/events
12-14 Nov. 2024	Beroun, Czech Republic	54th NDE for Safety 2024/Defectoscopy 2024	https://cndt.cz/konference
12-14 Dec. 2024	Chennai, India	NDE 2024	https://isntnde.in/
3-6 March 2025	Bengaluru, India	3rd International Conference & Exhibition on NDE 4.0	https://2025.nde40.com/
9-12 June 2025	Niagara Falls, Canada	The 8th PANNDT	https://www.panndt.org
6-9 Oct. 2025	Florida, USA	ASNT 2025	https://www.asnt.org/Events
11-14 May 2026	Hawaii, USA	APCNDT 2026	https://apcndt2026.com/
15-19 June 2026	Verona, Italy	The 14th ECNDT 2026	https://www.ecndt2026.org/
12-15 Oct. 2026	Ohio, USA	ASNT 2026	https://www.asnt.org/Events

ICNDT Regional Groups

The European Federation
for Non-Destructive Testing



EFNDT Secretariat

The British Institute for Non Destructive Testing
(BINDT)



The Asia Pacific Federation
for Non Destructive Testing



APFNDT Secretariat

The Japanese Society for Non Destructive Inspection
(JSNDI)



The International Committee
for Non-Destructive Testing



The World Organisation for NDT

ICNDT Secretariat

The British Institute for Non Destructive Testing
(BINDT)



The Pan-American Federation
for Nondestructive Testing



PANNDT Secretariat

Brazilian Association of Non Destructive
Testing and Inspection
(ABENDI)



African Federation
of Non Destructive Testing



AFNDT Secretariat

South Africa Institute of Welding
(SAIW)



MEMO