



*The World Organisation for NDT*

# Annual Report 2025

ICNDT is formally registered as a legal association in Vienna in accordance with the Austrian Corporations Act and has a bank account to conduct financial business transactions.

The constitution meets the requirements of the Austrian Corporations Act.

As an incorporated body, ICNDT is required to submit its Annual Report and audited Financial Report to the relevant Austrian authorities.

**This is the Annual Report for 2025.**





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## Vision and Mission

### *Our Vision*

To create a safer world through wider use of non-destructive testing (NDT) and diagnostic technologies.

### *Our Mission*

To lead a global network of NDT societies and their regional groups devoted to the promotion of the development of the science and practice of NDT for the benefit of the public worldwide.

## Introduction

The operations of the International Committee for Non-Destructive Testing (ICNDT), its regions and its member NDT societies have continued during 2025, following the resumption of the normal four-year cycle from May 2024.

## ICNDT Officers and Chairs 2025

The ICNDT Officers and Chairs in 2025 were as follows:

<b>ICNDT Chair</b>	Dr Sajeesh K Babu (Singapore)
<b>ICNDT Past Chair</b>	Dr Mike Farley (UK)
<b>ICNDT General Secretary</b>	Mr David Gilbert (UK)
<b>World Conference President</b>	Dr César Belinco (Argentina)
<b>NDT Society to provide Secretariat</b>	The British Institute of NDT (UK)
<b>Treasurer</b>	Dr Casper Wassink (Netherlands) (phased handover from Mr Gerhard Aufricht)
<b>Auditors</b>	Mr Douglas J Marshall (Canada) and Dr Werner Schmid (Switzerland)
<b>Chair – ICNDT Certification Executive Committee</b>	Mr Harold Jansen (South Africa)
<b>Chair WG1 – Qualification and Certification</b>	Mr Bento Ottone Alves (Portugal)
<b>Chair WG2 – Membership</b>	Mr David Bajula (USA)
<b>Chair WG3 – Research and Education</b>	Dr Thomas Wenzel (Germany)
<b>Chair WG4 – Communications</b>	Mr Shohei Ooka (Japan)
<b>Chair WG5 – Radiation Protection and Safety</b>	Mr David Gilbert (UK)
<b>Chair WG6 – CM and Technical Diagnostics</b>	Mr Simon Mills (UK)
<b>Chair WG7 – Administration</b>	Dr Mike Farley (UK)

## Regional Group Representatives

<b>Africa</b>	Dr Kamal Sahaimi
	Mr Harold Jansen
<b>Asia-Pacific</b>	Dr Takamasa Ogata
	Professor Krishnan Balasubramaniam
<b>Europe</b>	Mr Fermín Gómez Fraile
	Mr Ezio Tuberosa
<b>Pan-America</b>	Mr Glenn Tubrett (until 1 July 2025)
	Mr David Bajula
	Mr Antonio Aulicino (from 1 July 2025)

## Chair's Activities

Dr Sajeesh Babu, Chair of ICNDT, has played a pivotal role in advancing the organisation's mission and strengthening its global presence through a range of significant activities and engagements throughout 2025. His steadfast commitment to the NDT community is reflected in his dynamic leadership and strategic contributions:

### ICNDT Annual Meeting and ICNDT Executive Committee (IEC) Leadership

- The ICNDT Annual Meeting held on 28 February 2025 in Singapore (hybrid) brought together international NDT societies to review a strong year of progress. In his opening summary, the Chair emphasised the pivotal role of NDT in global safety and quality, the industry's continued growth to an expected USD 18.4 billion by 2029 and the accelerating impact of Non-Destructive Evaluation 4.0 (NDE 4.0) technologies driven by artificial intelligence (AI) and digitalisation. He highlighted the success of the World Conference on Non-Destructive Testing (20th WCNDT) in 2024, active working groups and the importance of collaboration, data-driven inspection strategies and harmonised certification worldwide. The meeting approved the 2024 accounts, 2025 budget and unchanged fees, noting solid financial reserves. Regional and society updates underscored growing activity across Asia-Pacific, Europe, Africa and the Pan-American regions, along with preparations for major upcoming events. The Chair closed by reinforcing ICNDT's commitment to strengthening its strategic initiatives, modernising communication and supporting global NDT advancement. The unconfirmed minutes of the meeting can be found on the ICNDT website.
- Across 2025, ICNDT advanced its strategic priorities through four IEC meetings: 21 March, 8 June, 6 October and a dedicated IEC session held on 25 November to address year-end operational matters. Key outcomes included strong progress on working group (WG) activities (notably WG1 certification harmonisation and WG3 restructuring), continued development of ICNDT's promotional video and communications strategy and ongoing refinement of Operating Procedures (OPs) under WG7. Membership matters remained active, including new applications, clarification of Schedule 1 and Schedule 2 rules and efforts to consolidate a global master list of fee payments. The ICNDT Certification Executive Committee (ICEC) reported steady Multilateral Recognition Agreement (MRA) performance, increasing use of OP20 and new applications (including from Canada). Regional updates showed robust preparations for the 17th Asia-Pacific Conference on Non-Destructive Testing (APCNDT 2026) and the 14th European Conference on Non-Destructive Testing (14th ECNDT), with growing emphasis on digital presence, AI and certification quality. The Chair consistently highlighted the importance of strengthening governance, enhancing visibility, supporting national societies and preparing ICNDT structurally and technically for the upcoming WCNDT cycle.
- The Chair supported the reorganisation of WG3 by confirming a single Chair, Dr Thomas Wenzel, and initiating the process for his official IEC approval. He coordinated the nomination process for members, including the Indian Society for Non-Destructive Testing (ISNT)'s nomination of Dr Prabhu Rajagopal as Vice Chair, and provided guidance using the Terms of Reference (ToR) template to help establish the group's structure. He outlined a clear timeline for submitting the ToR, updating the membership list and refreshing the WG3 webpage. He also facilitated preparations for the upcoming WG3 meeting, ensuring the group has what it needs to begin operating effectively.

### International Engagements in 2025

- In 2025, Dr Babu represented the global NDT community across Asia, the Middle East, Europe and the Americas, significantly strengthening collaboration and raising ICNDT's international visibility. His engagements began with the 5th Singapore International Non-Destructive Testing Conference and Exhibition (SINCE 2025) held in Singapore (26-28 February), where he participated in the ICNDT Annual Meeting and the Asia-Pacific Federation for Non-Destructive Testing (APFNDT) meetings. On 8 April 2025 in Vienna, Austria, he chaired a session at the 3rd International Conference on Applications of Radiation Science and Technology (ICARST-2025), following the signing of a Practical Arrangement with the International Atomic Energy Agency (IAEA) on 7 April 2025 to enhance cooperation in NDT capacity building, radiation safety and global training initiatives.
- Dr Babu then travelled to Canada for the VIII Pan-American Conference for Nondestructive Testing (PANNDT 2025) held in Niagara Falls (8-12 June 2025), where he delivered opening remarks and supported regional meetings, International Organization for Standardization (ISO) sessions and WG activities. In São Paulo, Brazil (13-15 August 2025), he delivered the opening address at the 40th CONAENDI, engaging the Latin American NDT community and serving as a panellist on 'The Future of NDT: Challenges and Opportunities'. Later that month, he travelled to Cairo, Egypt (26-27 August 2025),

for NDTX Expo 2025, where he gave a keynote address to promote ICNDT membership expansion in the Middle East and North Africa (MENA) region.

- Dr Babu's international engagements continued in Kobe, Japan (18-20 September 2025), at the 18th Advanced Infrared Technology and Applications (AITA 2025) Conference, participating in the gala dinner and technical site visits. Towards the end of the year, he visited Xiamen, China (19-21 November 2025), to deliver the opening speech at the World Conference on Electromagnetic Non-destructive Testing (WCEMNT 2025), engaging the global electromagnetic testing community.
- Overall, 2025 was an exceptionally active and impactful year, with the Chair travelling across continents to strengthen ICNDT's partnerships, global presence and technical cooperation.

#### **Note from Dr Mike Farley, Past Chair**

ICNDT members, and the NDT community as a whole, owe a huge debt of gratitude to Dr Sajeesh Babu, ICNDT Chair, for his immense contribution to promoting the mission of ICNDT during another exceptionally busy year. His efforts have been instrumental in strengthening ICNDT's global influence and fostering meaningful partnerships within the NDT community.

## **Meetings, Committees and Groups**

### ***ICNDT Executive Committee (IEC)***

IEC meetings were held on 21 March, 8 June, 6 October and 25 November. These meetings were chaired by Dr Sajeesh Babu.

### ***ICNDT Advisory Committee (IAC)***

No meetings were held in 2025. Actions arising from the meeting in 2024 were continued by Working Group 7 (WG7) and resulted in a number of amendments to operating procedures (see below).

### ***Strategic Planning and Organisation***

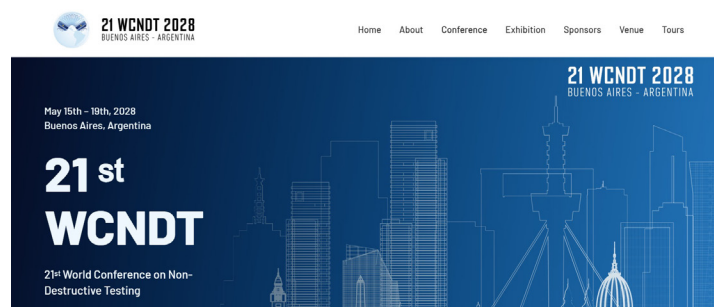
Strategic Plan v12 is used in monitoring progress at IEC meetings.

### ***Changes to the Constitution and Operating Procedures***

There have been no changes to the constitution during 2025.

Following discussion at ICNDT General Assembly (GA) 2 about operating procedures that need improvement/revision, WG7 Administration has included this work in the Strategic Plan v12 and has prepared drafts, which are in the process of approval at the time of compilation of this report.

### ***World Conference on Non-Destructive Testing (21st WCNDT)***



Dr César Belinco (President of the 21st World Conference) reports as follows.

The Asociación Argentina de Ensayos No Destructivos y Estructurales (AAENDE) promoted the 21st WCNDT at the following events:

- PANNDT 2025, Niagara Falls, Canada, in June 2025: exhibition booth and participation in a cultural event at the gala dinner.
- 40th CONAENDI, São Paulo, Brazil, in August 2025 (organised by AAENDE): exhibition booth.
- ASNT 2025 – The Annual Conference, Orlando, Florida, USA, in October 2025: shared exhibition booth with the Canadian Institute for Non-Destructive Evaluation (CINDE). The first brochure with the Exclusive Sponsor was distributed and the first Gold Sponsor was secured.
- The launch of the 21st WCNDT in Argentina in November 2025: participants included executives from local companies and institutions, a delegation from the Associação Brasileira de Ensaios Não Destrutivos e Inspeção (ABENDI) and a representative from Uruguay. A special agreement was signed between ABENDI and AAENDE to strengthen the presence of Brazilian companies and individuals in 2028. The following progress report was presented: an Exclusive Sponsor (Evident), one Gold Sponsor (Eddyfi Technologies), one Silver Sponsor (TPAC) and two Bronze Sponsors (Bruke and PFINDER) have already been confirmed. 30% of the exhibition space has already been reserved with a deposit.

Please save the date (15-19 May 2028) and follow the website for more information: [www.wcndt2028.com](http://www.wcndt2028.com)

### **Working Group 1 (Qualification and Certification)**

A number of changes to the membership of the group were agreed and have been ratified by the IEC. The updated list of Working Group 1 (WG1) members was published on the website along with the updated Terms of Reference. The *ICNDT Guide to Best Practice Management by Certification Bodies to Achieve Integrity, Impartiality and Independence* was published on the website.

A hybrid meeting of WG1 was held on 8 June 2025 at PANNDT 2025 in Niagara Falls, Canada. The meeting was chaired by Mr Bento Ottone Alves who presented the last updates on the recommendations on interpretation of ISO 9712:2021. The comments from the Spanish and Austrian Societies were mentioned. As certification bodies deal with the new version of ISO 9712, new comments are emerging. New text will be developed for the Best Practice document.

Since the 20th WCNDT in Incheon, South Korea, Mr Colin Bird has provided the liaison between ICNDT WG1 and the International Accreditation Forum (IAF). During the meeting at PANNDT 2025, it was agreed that Mr David Gilbert would take over this role. However, the IAF is merging with the International Laboratory Accreditation Cooperation (ILAC), with the new organisation being named Global Accreditation Cooperation Incorporated. The decision to establish a new international organisation, Global Accreditation Cooperation Incorporated, was made after years of strategic planning and consultation between the IAF and ILAC. Therefore, the process of joining will be resumed once the new organisation is ready.

ICNDT WG 1 has published an updated list of International and European standards in the field of NDT on the website.

The *ICNDT Guide to Qualification and Certification of Personnel for NDT*, updated to reflect ISO 9712:2021/2022, was published on the website.

ISO/IEC 17024:2012 (confirmed 2018) is in the process of final draft approval by the ISO Committee on Conformity Assessment (CASCO). There will be the opportunity to comment in due course via TC 135. This is very important, as any significant changes to this standard will have an impact on all of the world's accredited NDT certification schemes.

ISO/TS 25107:2019 (confirmed 2023) – NDT training syllabuses will be replaced by ISO/AWI 'Approved Work Item', indicating a new or revised standard is in the development phase and has been approved to move forward in the standardisation process. Drafting has started. There will be the opportunity to comment in due course via ISO/TC 135/SC 7.

The WG1 Action Plan is now being updated, taking account of progress to date and the outcomes of the meeting held in Niagara Falls, Canada.

The next meeting will be held in person at the 14th ECNDT in Verona, Italy, in 2026. WG1 is also planning a joint EFNDT-ICNDT certification workshop, 'Qualification and Certification', during this event.

***The ICNDT Certification Executive Committee (ICEC)***

The activities of this committee centre around the MRA, ICNDT Personnel Certification Body (PCB) conformity assessment and the ICNDT Examination Question Bank (EQB).

**Certification of NDT Personnel – MRA, PCB and EQB*****ICNDT Guide to Qualification and Certification of Personnel for NDT***

The latest version of the guide is available on the ICNDT website at: [www.icndt.org/ICNDT%20Guidelines%202024.pdf](http://www.icndt.org/ICNDT%20Guidelines%202024.pdf)

***Multilateral Recognition Agreement (OP19)***

- There are currently 45 signatories to Schedule 1 of the MRA. See: [www.icndt.org/OP19%20Schedule%201\\_MRA%20Master%20Register%2014.02.2024.pdf](http://www.icndt.org/OP19%20Schedule%201_MRA%20Master%20Register%2014.02.2024.pdf). These signatories are committed to recognising certification awarded by the PCBs registered by ICNDT as listed in Schedule 2.
- There are currently 18 PCBs registered under Schedule 2 of the MRA. See: [www.icndt.org/OP19%20Schedule%202\\_MRA%20Master%20Register%2025.11.2025.pdf](http://www.icndt.org/OP19%20Schedule%202_MRA%20Master%20Register%2025.11.2025.pdf)

***Personnel Certification Body Conformity Assessment (OP20)***

- The OP20 route for Schedule 2 membership has been extended to supplement the international recognition of Schedule 2 members. ICNDT currently requests its Schedule 2 members to be accredited by an IAF-recognised accreditation organisation. This recognition is requested against ISO 9712 and ISO 17024. ICNDT is aware that the IAF is currently merging with ILAC to form Global Accreditation Cooperation Incorporated. We understand that the IAF membership will be fully transferred to Global Accreditation Cooperation Incorporated and will have equal membership standards. For some Schedule 2 members, the in-country accreditation organisation is not fully registered with the IAF's MRA. In these cases, ICNDT accepts the local accreditation but requires that the PCB undergoes a supplementary assessment under the OP20 scheme, which follows the IAC accreditation standards. Depending upon the depth of the in-country audit, the OP20 process either supplements or fully replicates a full in-depth audit, including witnessing of individual examinations. Some countries, such as Brazil, ask for a supplementary OP20 assessment to publicly demonstrate their quality and international acceptance.

***Examination Question Bank***

- A number of the PCBs registered by ICNDT continue to make use of the ICNDT Question Bank, supplementing it with their own questions. The ICEC is in the process of developing an online version and a set of operating procedures.

The ICEC carries out most of its work via email and the internet. It held online meetings on 13 February, 17 April, 8 June (in Niagara Falls, Canada), 18 September, 23 October and 11 December 2025. The present ICEC members are as follows: Mr Harold Jansen (Chair and Africa representative); Dr Norikazu Ooka (Asia-Pacific region); Mr João Rufino Teles Filho (Vice Chair); Dr Thomas Wenzel (Europe region); Dr Kamal Sahaimi (African region); Mr Glenn Tubrett (Pan-America region); Mr Bento Ottone Alves (WG1 representative); and Dr Casper Wassink (ICNDT Treasurer). The Secretary is Mr Colin Bird, who can be contacted at: [icec-secretary@icndt.org](mailto:icec-secretary@icndt.org).

It can now be reported that the ICNDT OP19-registered PCBs are fully audited and registered. It can be further reported that all the OP19- and OP20-registered members are operating to ISO 9712:2021. It has been noted that many of the Schedule 2 members have had challenges with respect to efficiently operating to the 2021 release of ISO 9712, particularly in implementing the points system enabling recertification.

It has been noted that the ICEC Secretary has requested information about the validity and quality of technician certificates by a number of large international organisations. These requests frequently relate to technicians where the PCB is not registered by ICNDT as a Schedule 2 member. The ICEC cannot endorse such technician certificates nor attest to their work. In these cases, the work or goods may not be accepted by countries or receiving organisations.

***Membership Committee (WG2)***

**Chair:** Mr David Bajula.

**Members:** Mr Shohei Ooka, Mr David Gilbert, Professor Ferid Herelli, Mr Antonio Aluicino, Mr Harold Jansen (TBC) and Dr Kamal Sahaimi (TBC).

Meetings were held this year at PANNDT 2025 in Niagara Falls, Canada, and ASNT 2025, Orlando, Florida, USA.

WG2 will be updating its membership to include the treasurers from each of the federations, which will be implemented after OP11, the Terms of Reference, is updated. The addition of federation treasurers to WG2 will provide needed contribution and updates on membership fees and collection status. Additionally, the WG2 Chair and ICNDT Secretariat are to coordinate on the master ICNDT membership list, which will be added to the WG2 page on the ICNDT website. To strengthen the group with respect to recruiting and supporting members in Africa, Mr Harold Jansen and Dr Kamal Sahaimi have been invited to join.

**Actions:** The following actions have been completed or are forthcoming for WG2:

- The Kenya Bureau of Standards (KEBS) was reviewed and approved as an Associate Member, pending additional communication from KEBS.
- The membership roster and status are being updated to include the paid/unpaid members.
- Work will begin on OP11, with a draft to be ready for the meeting during the 14th ECNDT in Verona, Italy, in May 2026.

As part of the ICNDT strategic planning and action plans, WG2 has responsibility for Action Plan 1: Support NDT Societies. This Action Plan has 12 specific tasks and the group is focusing on the following:

- 1b – Work with the African Federation of Non-Destructive Testing (AFNDT) to help structure the membership fees and collection (work in progress and coordinating with Secretariat);
- 1c – Assure support for the next AFNDT conference, determine needs and report out by the 14th ECNDT;
- 1d – Prepare a standard request to have ‘International Forum’ events/meetings at regional conferences and at the very least at all federation conferences. This has been very successful at the American Society for Nondestructive Testing (ASNT)’s Annual Conference and we are looking to expand this at other events; and
- 12 – Prepare a Societies Operational Manual (work in progress).

WG2 plans to meet more regularly outside of regional and federation meetings and events. It also plans to work with WG4 to update the membership area of the website.

### ***Working Group 3 (Research and Education)***

At the beginning of 2025, the leadership of WG3 was reorganised, as Professor Younho Cho had stepped down from the position of Co-Chair. The IEC then decided to entrust the leadership of WG3 to a single chair and to discontinue the co-chairing arrangement. The position of Vice Chair was created for this purpose.

Since 1 January 2025, the position of Chair has been held by Dr Thomas Wenzel from the German Society for Non-Destructive Testing (DGZfP) while the role of Vice Chair has been taken on by Professor Dr Prabhu Rajagopal from the Indian Institute of Technology Madras, India.

In the wake of this change, the leadership team decided to fundamentally rethink the role and tasks of WG3. In particular, the overall vision and mission of WG3, and interactions between WG3 and the Specialist International Groups (SIGs) and Academia NDT were deliberated extensively.

Dr Wenzel and Professor Dr Rajagopal have set up regular discussions, meeting over seven times in the last year, to plan out a charter for action for WG3 in the coming couple of years (minutes of these meetings can be found here: [docs.google.com/document/d/1SJr54XBf-Ey0-xf\\_jtueApZldQMdB5OJPD1uOX9XOFw/edit?tab=t.0](https://docs.google.com/document/d/1SJr54XBf-Ey0-xf_jtueApZldQMdB5OJPD1uOX9XOFw/edit?tab=t.0)).

The results of these deliberations have been summarised and published in the revised WG3 Terms of Reference (see: [www.icndt.org](http://www.icndt.org)). One of the key changes in WG3’s remit is closer cooperation with SIGs, which are now to be more closely managed by WG3. The aim is to enable cross-fertilisation between SIGs and to better coordinate work topics with WG3 members to achieve greater effectiveness and visibility of work results.

Furthermore, the vision and mission of WG3 are being clarified as follows:

- **Vision:** provide a global platform for advancing excellence and innovation in NDT education and research and foster a well-informed and skilled workforce dedicated to promoting safety, quality and technological progress.
- **Mission:** to develop frameworks for educational resources, standards and research that enhance the knowledge, skills and professionalism of NDT practitioners worldwide.

To this end, WG3 seeks to undertake several overarching projects that inform and contribute to fulfilling these core objectives:

- Teaching the teachers: given the global shortage of qualified non-destructive evaluation (NDE) trainers, this is an initiative to improve the quality of NDT training
- Linking NDT research and innovation to practice: the goal of this initiative is to align NDT practice with the latest advances in non-destructive testing and evaluation research, including digital and representational tools
- Fostering international NDT linkages: the goal of this initiative is to provide avenues for NDE practitioners and researchers to link across borders.

At the WG3 meeting, which took place during PANNDT 2025 in Niagara Falls, Canada, in June 2025, initial proposals from the leadership team along the above lines were presented to the participants, who generally welcomed them.

As one of the new elements in the proposed framework of WG3 activities, a webinar titled ‘Global collaboration and exchange in NDT: WG3, one piece of the puzzle?’ was held for the first time on 16 October 2025, led by Dr Wenzel. The background and motivation for the planned adjustments were explained in this webinar. This is envisaged as the first of a webinar series and will be continued in spring 2026. The aim is to hold webinars with predominantly technical content at least once a quarter. Everyone from the NDT community is invited to present topics that are of interest to the community. Membership of WG3 is not a prerequisite. The webinars are intended to make NDT topics, for example from the SIGs, accessible to a broad public and thus generate visibility.

Furthermore, action has been initiated on updating the WG3 website: a draft design has been developed by Dr Wenzel in consultation with Professor Dr Rajagopal and this will be shared to the Japanese Society for Non-Destructive Inspection (JSNDI), which is tasked with WG3 website maintenance. A clearer structure, with links to partner organisations such as Academia NDT International and the SIGs, should make it easier for users to find the information and documents they need. The webinars mentioned above will also be made available for download via the website, as will all other relevant WG3 and SIG materials (minutes, work reports, etc). In addition, a new section will be created for the above-mentioned research institutions, where they can introduce themselves and explain their main areas of work. Contact persons, whose contact details are stored, can then be reached by interested companies and institutions. The implementation of the website is a work in progress and a first version is expected to be available in spring 2026. Research institutions that are interested in being included in the list of partner organisations from the outset are invited to submit their information to the WG3 leadership.

The progress reports of the WG3 members are available in the minutes of the above-mentioned WG3 meeting and can be accessed via the ICNDT website. WG3 is now gearing up for the next in-person meeting during the 14th ECNDT in Verona, Italy, in June 2026. The current membership (reviewed 2025) is as follows:

ICNDT WG3 Members	Current representative (as of June 2025)
Chair	Dr Thomas Wenzel
Vice Chair	Professor Dr Prabhu Rajagopal
Ex-officio	
ICNDT Chair	Dr Sajeesh K Babu
ICNDT IAC Chair	Dr Mike Farley
ICNDT General Secretary	Mr David Gilbert
ICNDT Treasurer	Dr Casper Wassink (taking over from Mr Gerhard Aufricht)
WG1 Chair	Mr Bento Ottone Alves
WG5 Chair	Mr David Gilbert
ICEC Secretary	Mr Colin Bird

Regional Representatives	
African Federation of Non-Destructive Testing (AFNDT) / ICNDT Certification Executive Committee (ICEC)	Mr Harold Jansen
Asia-Pacific Federation for Non-Destructive Testing (APFNDT)	Dr Makoto Ochiai
European Federation for Non-Destructive Testing (EFNDT)	Mr Bento Ottone Alves
Pan-American Federation for Nondestructive Testing (PANNDT)	Mr Glen Tubrett, Mr Robert Skwirut and Mr David Bajula
Specialist International Group (SIG) Chairs	
Full Matrix Capture (FMC)	Professor Paul Wilcox
NDE 4.0	Dr Johannes Vrana and Dr Ripi Singh
NDT Frontiers	Dr Roman Maev
NDT of Art and Cultural Heritage	Dr Roman Maev
NDT of Civil Engineering in Seismically Active Areas	Dr César Belinco
NDT Reliability and Human Factors	Dr Daniel Kanzler and Dr Marija Bertović
Non-linear UT	Dr Serge Dos Santos
Terahertz (THz)	Dr Mira Naftaly
Representatives of Liaison Members	
International Atomic Energy Agency (IAEA)	Ms Hannah Affum
Academia NDT International	Dr Shant Kenderian
Other Interested Specialists	
British Institute of Non-Destructive Testing (BINDT)	Mr Simon Mills
German Society for Non-Destructive Testing (DGZfP)	Dr Sascha Feistkorn
Korean Society for NDT (KSNT)	Dr Hogeon Seo
Malaysian Society for Non-Destructive Testing (MSNT)	Dr Ilham Mukriz Zainal Abidin
Society for Nondestructive Testing and Certification of Taiwan (SNTCT)	Dr Juin-Fu Chai
UK Research Centre in NDE (RCNDE)	Dr Colin Brett and Professor Gareth Pierce

### ***Specialist International Groups***

The **Specialist International Group on NDE 4.0** is led by Dr Johannes Vrana and Dr Ripi Singh.

The 3rd International Conference and Exhibition on NDE 4.0 (2025.nde40.com) was organised by ISNT (co-chaired by ICNDT) and was held in Bengaluru, India, from 3-6 March 2025. The third conference had 355 participants (approximately three times the number of participants compared to the second conference). The Kurzweil Award for High Impact in NDE 4.0 was awarded for its second time. This year's recipients, Dr Vrana and Dr Singh, were honoured for their exceptional work in 'pioneering, leading and globalising NDE 4.0'. The 4th International Conference and Exhibition on NDE 4.0 is scheduled for 2027. Several national societies applied to host the event: USA/Canada, Spain, Japan and China. The members of the SIG voted for the proposal by ASNT in collaboration with CINDE (2027.nde40.com).

The SIG has held three virtual meetings to date to gain insight into the ongoing activities of the sub-groups and to support ISNT in organising the third conference.

The work of the sub-groups is summarised as follows:

- Sub-group T1 – Training, Education and Research for NDE 4.0 is led by Professor Dr Norbert Meyendorf. It has

focused on NDE 4.0 training and is working on international harmonisation of NDE 4.0 training for technicians and integrating NDE 4.0 aspects into university NDE classes.

- Sub-group T2 – Guidelines on Data Formats, Interfaces, Exchange and Ontology is led by Dr Johannes Vrana and Mr Pranay Wadyalkar. It has focused on gathering information about ongoing activities such as the Union (EU) data act, OPC Unified Architecture, Digital Imaging and Communication in Non-Destructive Evaluation (DICONDE) and Hierarchical Data Format version 5 (HDF5). As the basic information has been collected, this group will choose next year what to do going forward.
- Sub-group P1 – Common Terminology was led by Professor Dr Nathan Ida. The group is currently on hold after publishing a Wikipedia article on NDE 4.0.
- Sub-group P2 – Knowledge Exchange Channel (Publications, Platform and Forum) is led by Mr Ramón Fernández Orozco and Dr Serge Dos Santos.
- Sub-group P3 – Guideline for Roadmap/Application on NDE 4.0 is led by Dr Ripi Singh and Mr Ramón Fernández Orozco and has produced a guideline on how to create a roadmap for NDE 4.0.
- Sub-group H1 is a collaboration with the Reliability SIG and is led by Professor Dr Norbert Meyendorf.
- Sub-group H2 – Ethics, Diversity, Equality and Inclusion is put on hold for the moment.
- Sub-group H3 – Certification was proposed by the Australian Institute for Non-Destructive Testing (AINDT), discussed by the SIG and put on hold for the moment.

The **Specialist International Group on NDT Reliability and Human Factors** serves as a platform for addressing questions related to reliability and human factors. The NDT SIG has three sub-groups:

- The NDE 4.0 sub-group, led by Professor Dr Norbert Meyendorf, which seeks to build bridges between the reliability field and the NDE 4.0 field. In regular meetings, common topics are discussed with the experts in both fields.
- The Human Factors sub-group, led by Dr Marija Bertović and Dr Abdeldjalil Bennecer, meets monthly to discuss progress and further develop the Human Factors Guidance Document, which is planned for publication in the first half of 2026. Furthermore, the sub-group is reviewing existing guidance documents and sharing experiences and information on existing and future projects related to human factors.
- The Standardisation sub-group provides a discussion forum for ongoing standardisation activities related to reliability in NDT and ensures exchange between experts working on national or international standards. A significant milestone achieved by experts within this community is the publication of the German standard DIN 19293:2025-10, 'Non-destructive testing – Evaluation of testing data – Guidelines for estimating the reliability of applications', in October 2025. Following its national publication, the standard has been elevated to the CEN level and is now being further developed within CEN/TC 138 WG 9 (Methodology for Qualification of NDT). The first (hybrid) meeting is planned to take place during the upcoming 14th ECNDT in Verona, Italy.

In order to provide more visibility to the topic of human factors whilst retaining the important link to reliability, the SIG will now have the title 'NDT Reliability and Human Factors' and Dr Daniel Kanzler and Dr Marija Bertović will be Co-Chairs.

The **Specialist International Group on Terahertz** (THz) is led by Dr Mira Naftaly and supported by the British Institute of Non-Destructive Testing (BINDT). This group was established in 2021 to promote and advance techniques utilising THz technologies to inspect components, materials and structures and to recommend standardisation, best practice and certification. Currently, the group has *circa* 80 members from academia and industry, including major equipment manufacturers and end-users. The group has published two promotional leaflets listing the capabilities and applications of terahertz measurements, which can be downloaded from the ICNDT website through the links given at: [www.icndt.org/ICNDT-Activities/TerahertzUsers](http://www.icndt.org/ICNDT-Activities/TerahertzUsers). An item about the group's activities was published in *Quality* magazine, titled: 'A bright future for terahertz in non-destructive testing and condition monitoring'. The group regularly publishes items relating to THz technologies in *NDT News*, which is produced by BINDT and circulated to its membership. The group is collaborating and coordinating activities with the newly established NDT special interest group of UK THz NetworkPlus, the activities of which can be seen by visiting: [eps.leeds.ac.uk/electronic-engineering-research-innovation/doc/epsrc-networkplus-terahertz-thz-systems](http://eps.leeds.ac.uk/electronic-engineering-research-innovation/doc/epsrc-networkplus-terahertz-thz-systems)

The **Specialist International Group on Full Matrix Capture** (FMC) is led by Professor Paul Wilcox and supported by BINDT. The group currently has 68 members, with over half from outside the UK. Typical meeting attendance is 20-25.

The group aims to hold two to three online meetings per year. The last meeting was 24 February 2025, the minutes of which are available on the BINDT website. This meeting included a talk on 'FMC/TFM for laser metal deposition by wire (LMD-W) parts' by Tom Bertenshaw (GKN Aerospace). The next meeting will be held in early 2026.

Despite the SIG only holding one meeting as a distinct entity in 2025, many members of the group have been extremely active in the Electric Power Research Institute (EPRI)-led effort to develop a common file format for data. This effort has now converged on the Open NDE (ONDE) format developed by the French Confederation for Non-Destructive Testing (COFREND); the ONDE format is built on the multi-frame full matrix capture (MFMC) format that was developed by the current SIG. ONDE prescribes the format of a broader range of optional engineering data than MFMC and is structured to enable future extension to other modalities (for example eddy current).

The **Specialist International Group on Non-linear Ultrasound for NDT** (Non-linear UT) is led by Dr Serge Dos Santos (Institut National des Sciences Appliquées (INSA) de Centre Val de Loire, Blois, France) and supported by COFREND.

The group, specifically focused on non-linear ultrasonic testing (UT) for NDT, was reactivated in July 2023 during the 13th ECNDT in Lisbon, Portugal, and brings together 14 current active experts and researchers working in this specific field, thus promoting knowledge exchange and collaborations. This SIG focuses on the promotion of new non-linear ultrasonic techniques and methods suitable for NDT, taking advantage of recent advances in the field. Through the combination of skills and resources, the group will improve the sensitivity and accuracy of flaw detection and characterisation techniques. Moreover, it contributes to the standardisation of NDT procedures based on non-linear UT, to facilitate their adoption in the industry. Finally, the group will also serve as a platform for training and education, sharing knowledge and best practices with the new generation of worldwide NDT professionals interested in the subject.

The objective of this SIG is to assess the relevance of developing new NDT methods using non-linear ultrasonics. NDT is constantly evolving and the utilisation of non-linear UT opens new perspectives for the detection and evaluation of defects in various materials. The project consists in forming a task group that will delve deep into the potential benefits of these innovative approaches. In this context, three key areas could play a crucial role. Firstly, the role of big data (non-linear data) and the Internet of Things (IoT) is paramount, as it would enable the collection and analysis of vast amounts of data (annotation in connection with DICONDE and HDF5 formats). This sub-group is actively looking for a Chair and is temporarily chaired by Dr Dos Santos. Secondly, the integration of artificial intelligence could aid in extracting meaningful patterns and trends from the gathered non-linear data. This sub-group is active, with Dr Lukasz Pieczonka and Dr Marc Rebillat being the first two members to accept the opportunity to share some ideas and actions within the subject. Thirdly, a strategic sub-group related to fine metrology associated with measuring non-linearities in noise is essential in ensuring precise and reproducible measurements. This active sub-group is chaired by Professor Yoshikazu Ohara and Professor Kyung Young Jhang. A preliminary introduction was presented during the 20th WCNDT in Incheon, South Korea, and the slides can be found here: [www.icndt.org/Limited/upload/Minutes%20SIG%20Nonlinear-UT%20Kick-off%20meeting%2011%20April%202024%20-V4.pdf](http://www.icndt.org/Limited/upload/Minutes%20SIG%20Nonlinear-UT%20Kick-off%20meeting%2011%20April%202024%20-V4.pdf)

The next pragmatic actions for the ICNDT Non-linear UT SIG are to prepare special sessions for the 14th ECNDT and the 21st WCNDT.

The **Specialist International Group on NDT of Art and Cultural Heritage** is led by Dr Roman Maev, with two Secretaries: Mr Ed Cabral, who is responsible for Great Britain and North, South, Central and Latin America and the Caribbean; and Dr York Oberdorfer, who is responsible for Europe, Asia, Africa and Australia.

Following on from involvement in three events in 2022 and 2023, namely the Third International Workshop: 'Analysing Art: New Technologies – New Applications', which took place in Florence, Italy, in April 2022, the 'NDT of Art and Culture Heritage' Special Session at the 13th ECNDT, which took place in Lisbon, Portugal, in July 2023 and 'Art'23', which took place in Brescia, Italy, in November 2023, a special session was held at PANNDT 2025, which took place in Canada in June 2025.

Another important event was held in 2025 – the Fourth International Workshop: 'Analysing Art: New Technologies – New Applications', which took place in Antwerp, Belgium, from 18-21 May 2025. The ICNDT Specialist International Group on NDT of Art and Cultural Heritage is responsible for this regular and successful event, together with BINDT.

A special session is scheduled for the 14th ECNDT, which is being held in Verona, Italy, in June 2026.

The **Specialist International Group NDT on Civil Engineering** (NDT-CE), led by Dr César Belinco, reports as follows:

#### ***ICARST-2025***

Several members of the SIG participated at ICARST-2025, in Vienna, Italy, from 7-11 April 2025. The topic of 'NDT in Civil Engineering and Cultural Heritage' was included in this event for the first time, with two oral sessions of five papers each and 16 posters.

Also, a side event called 'Enhancing Global Collaboration in NDT for Disaster Recovery Enhancement' was held and, during one plenary session, titled: 'Flagship Initiatives, Success Stories and Future Perspectives', 'NDT Civil Structures – Capabilities Development in the Latin America and Caribbean Region with IAEA Support', was presented.

Taking advantage of the presence of some of the SIG members, there were discussions about the next two meetings: an IAEA consultancy meeting in Vienna, Italy, to finish the e-learning material on NDT-CE; and the Regional Workshop on ISO 9712 Qualification and Certification Requirements in Non Destructive Testing (NDT) for Civil Structures, to be held in New Zealand, from 8-12 September 2025, hosted by the IAEA and the New Zealand Non-Destructive Testing Association (NZNDTA).

Finally, it is important to mention that during ICARST-2025 a practical arrangement was signed between the IAEA and ICNDT that will facilitate the interaction between both institutions.

#### ***Promotion of NDT-CE at PANNDT***

During the 40th CONAENDI in São Paulo, Brazil, in August 2025, a meeting of the Steering Committee of PANNDT was held. During this meeting, the possibility of creating the first PANNDT NDT-CE working group was discussed and approved. This group is called WG 1-NDT-CE.

It was agreed that ABENDI would provide secretariat services for WG1. The first two meetings, organised by ABENDI, have already taken place.

#### ***NDT-CE Sessions at the 14th ECNDT in Verona, Italy***

A proposal from ICNDT Chair Dr Sajeesh Babu for the European Conference in Verona, Italy, focusing on a special session on NDT-CE and NDT certification standards was discussed at an early December meeting of the NDT-CE SIG. Dr Babu's proposal for the special session was reviewed, which includes NDT-CE paper presentations and a panel session on NDT-CE certification standards. The group agreed to seek additional panellists from different regions and areas of expertise.

#### ***NDT-CE SIG First Leaflet***

The Chair of the ICNDT NDT-CE SIG subgroup 3 'Emerging Technologies' announced that the first leaflet was approved by ICNDT and will be available soon. The topic covered is: 'Muography'.

The **Specialist International Group on NDT Frontiers** was established in September 2023. The original initiative to create this new SIG came from the three founders: Dr Roman Maev (CINDE, Canada), Dr Shant Kenderian (ASNT, USA) and Mr David Gilbert (BINDT, UK). After careful review and some additional suggestions, this initiative was fully supported by Dr Sajeesh Babu and Dr Mike Farley. They also suggested that Dr Maev should be the Chair of the new group and the new SIG should comprise about 20 members representing various active national societies, with the goal of arranging the first in-person 'kick-off' SIG meeting (session) at the 20th WCNDT in Incheon, South Korea, in May 2024.

The next action was for the NDT Frontiers SIG to prepare a special session for PANNDT 2025, which took place in Canada in June 2025.

Further ICNDT SIG meetings will be held within the programmes of the 14th ECNDT and APCNDT 2026.

The **Specialist International Group on Magnetic Memory Method** (MMM) has been operating since 2018. It is led by Dr Peter Ladányi as Chair and supported by the Hungarian Association for Non-Destructive Testing (MAROVISZ).

#### ***Working Group 4 (Communications)***

ICNDT Working Group 4 (WG4) (Chair: Mr Shohei Ooka from JSNDI has been working on the ICNDT Strategic Plan and the Action Plan, titled: 'Promotion of the Importance of Non-Destructive Testing (NDT)'. WG4 was established to promote ICNDT activities and disseminate information to national NDT societies around the world, other



NDT-related organisations, regional federations and corporations involved with NDT. WG4 activities include, but are not limited to, ICNDT website updates, journals, etc. WG4 held two hybrid meetings in 2025 on 8 June (Niagara Falls, Canada) and 6 October (Orlando, Florida, USA).

Along with new WG4 members, a very fruitful discussion was had, with great progress made regarding ongoing items in the ICNDT Strategic Plan, including the *ICNDT Journal*, ICNDT website and ICNDT membership system. The *ICNDT Journal* was published, Issue 14 of Volume 9 in March 2025. The activities and the aims are to publish the journal in the original cycle of three times a year.

The ICNDT website has added information to the Working Group pages and updated ICNDT documents.

The ICNDT membership system was maintained and developed further this year to provide more systematic and effective communications, with a streamlined approach for members and users regarding the ICNDT online system.

As a new endeavour, WG4 is currently producing an ICNDT promotional video. WG4 will keep working on the promotion of the importance of NDT.

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#### **Website/Journal/Publications**

The ICNDT Secretariat has continued to provide updates to members through the website and the *ICNDT Journal*, issued in March 2025.

ICNDT is grateful to JSNDI for providing the platform for the ICNDT website and publishing the *ICNDT Journal*. It acknowledges the continuing support of BINDT, especially Miss Zoe White and Mrs Cindy Bailey, for their support to the committees and for the preparation of this Annual Report and other published documents.

#### **Working Group 5 (Radiation Protection and Safety)**

Mr David Gilbert reports that a meeting of the IAEA Working Group on the Information System on Occupational Exposure in Medicine, Industry and Research: Industrial Radiography (ISEMIR-IR) was held in April 2025, which coincided with ICARST-2025. The two events were very interesting: there were people there from the IAEA who are also involved in projects on NDT in civil engineering and also NDT in arts and cultural heritage. Mr Gilbert made some really good contacts and interest is growing.

The objectives of the meeting were to:

- Review the activities of ISEMIR-IR in 2024;
- Propose the work plan for ISEMIR-IR in 2025;
- Analyse and summarise the results of the ISEMIR-IR global survey in 2024; and
- Discuss the upgrade of the ISEMIR-IR system.

The methodology and results of the fourth ISEMIR-IR global survey were discussed. Most responses showed interest in the IAEA software.

ISEMIR is a large project within the IAEA and some amendments were proposed regarding the global survey questionnaire and the database. The questionnaire was reviewed and updated, approaches were identified and deadlines were set. Promotion remains a challenge; cooperation with experts is needed to promote the system and further information dissemination opportunities have been identified, for example the 14th ECNDT in Verona, Italy.

#### **Working Group 6 (Condition Monitoring and Technical Diagnostics)**

There were no meetings of Working Group 6 in 2025. Mr Simon Mills from BINDT has taken on the role of Chair of this WG and is working to encourage member societies to nominate experts in the area to join the group.

## APFNDT (Asia-Pacific)

### APFNDT Membership

Regarding the membership and organisation status of the Asia-Pacific Federation for Non-Destructive Testing, the current members and regional representatives are as follows. To see other regularly updated information for the Asia-Pacific region, visit: [www.apfndt.org](http://www.apfndt.org). Starting this year, the Thai Society for Non-Destructive Testing (TSNT) has changed from a Potential Member to a Full Member.

<b>Full Member Societies</b> (17 members)	The American Society for Nondestructive Testing (ASNT)
	The Australian Institute for Non-Destructive Testing (AINDT)
	The Bangladesh Society for Non-Destructive Testing (BSNDT)
	The Canadian Institute for Non-Destructive Evaluation (CINDE)
	The Chinese Society for Nondestructive Testing (ChSNDT)
	The Indian Society for Non-Destructive Testing (ISNT)
	The Iranian Society for Nondestructive Testing (IRNDT)
	The Japanese Society for Non-Destructive Inspection (JSNDI)
	The Korean Society for Nondestructive Testing (KSNT)
	The Malaysian Society for Non-Destructive Testing (MSNT)
	The Mongolian Society for Non-Destructive Testing (MSNDT)
	The New Zealand Non-Destructive Testing Association (NZNDTA)
	The Non-Destructive Testing Society (Singapore) (NDTSS)
	The Philippine Society for Nondestructive Testing Inc (PSNT)
	The Russian Society for Non-Destructive Testing and Technical Diagnostics (RSNTTD)
The Society for Nondestructive Testing and Certification of Taiwan (SNTCT)	
The Thai Society for Non-Destructive Testing (TSNT)	
<b>Potential Member Societies</b> (7 members)	Azerbaijan Society for Non-Destructive Testing (AZNDT)
	Indonesian Society for Non-Destructive Testing (AUTRI)
	Kazakhstan Association of Flaw Detection (KAOFD)
	Myanmar (Society under formation)
	Pakistan Society for Non-Destructive Testing (PASNT)
	Society for Non-Destructive Testing, Sri Lanka (SNDT)
	Vietnam Association for Non-Destructive Testing (VANDT)
<b>Regional Group One</b>	Western Asia, Central Asia, South Asia
<b>Regional Group Two</b>	East Asia, Southeast Asia
<b>Regional Group Three</b>	Pacific, Oceania

### APFNDT Executive Committee (AEC) and APFNDT Board Members (ABMs)

The following APFNDT Executive Committee (AEC) and APFNDT Board Members (ABMs) were elected for a term ending in 2027 and are carrying out their respective duties.

<b>President</b>	Dr Takamasa Ogata (JSNDI)
<b>Vice President</b>	Professor Krishnan Balasubramaniam (ISNT)
<b>Past President</b>	Dr Norikazu Ooka (JSNDI)
<b>General Secretary</b>	Mr Paulchamy Pugalendhi (NDTSS)

<b>Treasurer</b>	Mr Kevin Smith (ASNT)
<b>President of APCNDT 2026</b>	Mr Danny Keck (ASNT)
<b>Auditor</b>	Dr Sajeesh K Babu (NDTSS)
<b>Secretariat Representative</b>	Mr Shohei Ooka (JSNDI)
<b>Regional Representative: Group One (Western Asia, Central Asia, South Asia)</b>	Mr Diwakar D Joshi (ISNT) and Mr Alexander Mullin (RSNTTD)
<b>Regional Representative: Group Two (East Asia, Southeast Asia)</b>	Dr Ji Jingyuan (ChSNDT), Professor Ik-Keun Park (KSNT), Dr Ilham Mukriz Zainal Abidin (MSNT) and Professor Chih-Hung Chiang (SNTCT)
<b>Regional Representative: Group Three (Pacific, Oceania)</b>	Mr Neal Couture (ASNT), Mr Pranay Wadyalkar (AINDT)

### ***APFNDT Task Groups***

The following seven Task Groups (TGs) have been established and are operating for their respective specific purposes.

<b>TG1 Membership</b>	Mr Kevin Smith (ASNT)
<b>TG2 APFNDT Journal</b>	Professor Jung-Ryul Lee (KSNT)
<b>TG3 Communications</b>	Mr Shohei Ooka (JSNDI)
<b>TG4 Education and Training</b>	Dr B Venkatraman (ISNT)
<b>TG5 Certification</b>	Mr Paul Grosser (AINDT)
<b>TG6 Standards</b>	Dr Makoto Ochiai (JSNDI)
<b>TG7 NDE 4.0</b>	Mr Neal Couture (ASNT)

### ***Current and Future Activities***

#### **APFNDT Meetings**

In 2025, APFNDT meetings were held a total of three times with the following schedule:

- ABM Meeting: hybrid with face-to-face as the basis during SINCE 2025 in Singapore, on 27 February 2025.
- ABM Meeting: hybrid with face-to-face as the basis during AITA 2025 in Kobe, Japan, on 16 September 2025.
- General Assembly: hybrid with face-to-face as the basis during SINCE 2025 in Singapore, on 27 February 2025.

At the APFNDT Meeting in 2025, discussions focused on supporting APFNDT member societies, based on the goals set last year. The following activities are planned for after the discussions:

- The APFNDT secretariat will discuss solutions to the challenges faced by each NDT society's management team and what would be useful for other societies.
- Provide feedback to the APFNDT on how to enhance the management of each NDT society, with the aim of developing NDT societies in the Asia-Pacific region.

Furthermore, with the aim of improving management methods, APFNDT will organise seminars, workshops, conferences and exchange programmes with the participation of the management team of each NDT society. Specifically, a management improvement workshop at APCNDT 2026 in Hawaii, USA, in 2026 and a workshop in Japan in 2027 are proposed, inviting regions outside Asia-Pacific to further expand APFNDT's expertise.

#### **Representation at International Events**

President Ogata participated in key international events hosted by APFNDT member countries and actively promoted stronger cooperative relationships with each nation.

- SINCE 2025: Singapore, February 2025
- PANNDT 2025: Niagara Falls, Canada, June 2025

- AITA 2025: Kobe, Japan, September 2025
- IIIAE 2025 – International Institute of Innovative Acoustic Emission & 27th International Acoustic Emission Symposium (IAES-27) & the 11th International Conference on Acoustic Emission (ICAE-11): Nagoya, Japan, November 2025.

#### **Preparations for APCNDT 2026, Hawaii, USA**

In collaboration with the host organisation, ASNT, APFNDT advanced preparations for the APCNDT, scheduled to be held in Hawaii, USA, from 11-15 May 2026.

#### **Preparations for the International Conference on NDT for the Next Generation, Kobe, Japan, 2027**

APFNDT advanced preparations for the International Conference on NDT for the Next Generation, scheduled to be held in Kobe, Japan, from 30 August to 3 September 2027.

#### **Signing of an MoU between APFNDT and SPRINT Robotics**

SPRINT Robotics and JSNDI jointly hosted the Asset Integrity Management Seminar in Tokyo, Japan, from 18-20 June 2025. Prior to the opening of the seminar, a Memorandum of Understanding (MoU) was signed by Dr Ogata, President of the APFNDT, and Mr Mauricio Calva, Chair of SPRINT Robotics. This agreement aims to enhance mutual cooperation and strengthen collaboration between the two organisations in the field of inspection and maintenance. The signing of the MoU marks a significant milestone in the advancement and wider adoption of cutting-edge robotic technologies, as well as in promoting knowledge exchange across the Asia-Pacific region.

#### **Meeting of the APFNDT and Asian Welding Federation (AWF)**

At SINCE 2025, which took place in Singapore in February 2025, the APFNDT held a meeting with the Asian Welding Federation (AWF). The discussion focused on future collaboration, particularly the joint symposia and workshops that address advanced topics common to welding and non-destructive testing.

#### **APFNDT Member-Hosted Events**

- The 5th Singapore International Non-Destructive Conference and Exhibition (SINCE 2025), 27-28 February 2025 (NDTSS)
- 3rd International Conference & Exhibition on NDE 4.0, 3-6 March 2025 (ISNT)
- 2025 KSNT Annual Spring Conference, 28-30 May 2025 (KSNT)
- The 8th Pan-American Conference for Nondestructive Testing (PANNDT 2025), 9-12 June 2025 (CINDE)
- 33rd ASNT Research Symposium, 23-27 June 2025 (ASNT)
- The 5th Asian Quantitative InfraRed Thermography Conference (QIRT-Asia 2025), 14-18 July 2025 (ChSNDT)
- The 18th Advanced Infrared Technology and Applications (AITA 2025) Conference, 15-19 September 2025 (JSNDI)
- ASNT 2025 – The Annual Conference, 6-9 October 2025 (ASNT)
- IIIAE 2025 – International Institute of Innovative Acoustic Emission & 27th International Acoustic Emission Symposium (IAES-27) & the 11th International Conference on Acoustic Emission (ICAE-11), 4-7 November 2025 (JSNDI)
- 35th Annual Conference and Exhibition on Non-Destructive Evaluation and Enabling Technologies (NDE 2025), 11-13 December 2025 (ISNT).

## AFNDT (Africa)

### Membership

<b>President</b>	Dr Kamal Sahaimi (Centre National de l’Energie, des Sciences et des Techniques Nucléaires, Morocco)
<b>Secretariat</b>	Mr Harold Jansen (South Africa)
<b>Founding Members</b>	Algeria, Cameroon, Democratic Republic of the Congo, Egypt, Ghana, Libya, Mauritius, South Africa, Tanzania, Tunisia, Zambia
<b>ICNDT Membership (Active)</b>	Egypt, South Africa
<b>Signatories to Current Constitution (2014)</b>	Algeria, Angola, Cameroon, Egypt, Ethiopia, Ghana, Kenya, Libya, Mauritius, Morocco, Nigeria, South Africa, Sudan, Tunisia, Uganda, Zambia, Zimbabwe
<b>Country (Active) Representation</b>	Cameroon, Kenya, Morocco, Nigeria, South Africa, Sudan, Tunisia <i>There are 54 countries that are potential members</i>
<b>Sub-regions</b>	<p><b>North Africa:</b> Algeria, Egypt, Libya, Morocco, Mauritania, Tunisia</p> <p><b>East Africa:</b> Burundi, Djibouti, Eritrea, Ethiopia, Kenya, Rwanda, Somalia, South Sudan, Sudan, Uganda</p> <p><b>Central Africa:</b> Cameroon, the Central African Republic, Chad, Democratic Republic of the Congo, Equatorial Guinea, Gabon, São Tomé and Príncipe</p> <p><b>West Africa:</b> Benin, Burkina Faso, Cape Verde, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, Togo</p> <p><b>Southern Africa:</b> Angola, Botswana, Eswatini, Lesotho, Madagascar, Malawi, Mali, Mauritius, Mozambique, Namibia, Seychelles, South Africa, Tanzania, Union of Comoros, Zambia, Zimbabwe</p>

### Events

- The **Sustainable Construction in Africa (SCA25)** Conference took place in Nairobi, Kenya, from 20-22 May 2025. The conference brought together over 200 participants representing more than 20 countries to engage in discussions on sustainable construction, housing and infrastructure across the continent. The programme included peer-reviewed technical sessions featuring over 50 papers, as well as workshops, policy panels and exhibitions highlighting sustainable materials and advanced building methods. Leading industry stakeholders sponsored the event, with notable support from the Global Cement and Concrete Association (GCCA), which provided a complimentary pre-conference course. SCA25 fostered new cross-sector collaborations and laid a robust foundation for scalable, climate-resilient construction initiatives in Africa.
- The **2nd NDTX Exhibition and Conference (NDTX Expo 2025)** took place from 26-28 August 2025 at the Egypt International Exhibition Center in New Cairo, Egypt. According to the organisers, the event welcomed over 10,000 attendees representing more than 30 countries and included participation from 100+ exhibitors. The expo was sponsored by prominent regional and international providers of NDT, welding and corrosion inspection technologies, underscoring its significance as a premier event for inspection, asset integrity and industrial inspection professionals across the Middle East, North Africa and Mediterranean regions. The exhibition featured the latest advancements in inspection technologies, facilitated networking between service providers and end-users and has been recognised as an important milestone in advancing regional NDT collaboration and capacity-building.
- The **8th African Conference on Non-Destructive Testing (ACNDT 2026)** will be held from 18-19 November 2026 at the Kram Exhibition Park in Tunis, Tunisia, on the sidelines of the International Exhibition of Spare Parts and Industrial Services (SAPRI). This continental-scale event is organised by the Technical Centre for

Mechanical and Electrical Industries (CETIME), coinciding with the 41st anniversary of the Tunisian Committee for Non-Destructive Testing (COTEND), in partnership with AFNDT and with the support of the Tunisia Africa Business Council (TABC). It aims to bring together key African and international stakeholders in the field of non-destructive testing and inspection, around strategic issues related to industrial safety, infrastructure reliability, standardisation, skills certification and technological innovation.

The 8th ACNDT Conference represents a privileged platform for:

- The presentation of scientific advances and technological innovations in NDT;
- The strengthening of intra-African and international cooperation;
- The sharing of industrial experiences in key sectors such as energy, oil & gas, transportation, infrastructure, metallurgy and manufacturing industries; and
- The promotion of training, certification and skills development through technology transfer in Africa.

### ***African Regional Cooperative Agreement for Research, Development and Training Related to Nuclear Science and Technology (IAEA-AFRA) – South Africa***

- The National NDT Project, which aims to advance ultrasonic testing, phased array and time-of-flight diffraction techniques, commenced in October 2025 with the first of four workshops delivered by Mr Ray Turner. The remaining three workshops are scheduled to take place in 2026.
- A National School of Excellence has been established following a Memorandum of Understanding signed in 2022 between the Nuclear Energy Corporation of South Africa (Necsa) and the Southern African Institute of Welding (SAIW). The school's objective is to promote training, research and implementation of NDT methods and techniques, with an emphasis on the nuclear power generation sector.

### ***Website and Digital Platforms***

- A formal AFNDT website is being developed and will be linked to the ICNDT website once completed and approved by the AFNDT Board.

### ***Strategic Plan Objectives***

The following strategic objectives have been set for the next decade:

- Establish national NDT liaison offices or NDT societies in each of the 54 countries.
- Secure signature of ICNDT MRA Schedule 1.
- Ensure at least one Approved Training Body (ATB) is present in every country.
- Develop and maintain a sustainable PCB, as well as an Authorised Qualification Body (AQB), in each country.
- Attain registration under ICNDT MRA Schedule 2, either through the National Accreditation Body or the ICEC OP20 process.

### ***Challenges***

The following challenges have been recognised throughout the African region:

- There is a shortage of qualified Level 3 NDT personnel.
- Many countries lack sufficient accreditation under ISO 17025.
- Advanced equipment such as phased array ultrasonic testing (PAUT), digital radiography (DR) and acoustic emission (AE) entails significant costs.
- Local manufacturing capabilities are limited, resulting in reliance on imported equipment.

## EFNDT (Europe)

The European Federation for Non-Destructive Testing report for the ICNDT Annual Report 2025 provides an overview of the organisation, its activities, strategies and financial situation. EFNDT maintains a solid structure with multiple working groups and sectoral forums, although some face challenges in participation or leadership. It focuses on harmonising certifications, digital modernisation, technological innovation and expanding its influence in Europe and globally. The financial situation is stable but with some outstanding debts from associate members. Below is a summary of the key points.

### **Membership**

- Full Members: 28 national societies across Europe, including Germany, France, the UK, Spain and Italy, among others.
- Associate Members: four societies from outside Europe: India, Israel, Japan and Singapore.

### **Board of Directors (BoD)**

Chaired by Mr Fermín Gómez Fraile (Spain), the Board includes Vice Presidents from various countries and non-voting members (Treasurer, Auditor, Secretary General). Five meetings were held between June 2024 and June 2025.

### **Key Objectives and Action Areas**

- Strengthen certification systems: promote the harmonisation of certification schemes among member societies to ensure consistency and mutual recognition, in addition to supporting the implementation of standards such as ISO 9712.
- Advances in marketing and communications: redesign EFNDT's corporate identity, including a new website, active presence on LinkedIn and a regular newsletter to increase the visibility of EFNDT's activities and events.
- Improve standards and guidelines: continue collaboration with international organisations to update and disseminate NDT standards, promoting the adoption of new guidelines across the industry.
- Research and innovation: support collaborative research projects focused on emerging technologies such as artificial intelligence, robotics and advanced images in NDT, promoting the exchange of knowledge between academia and industry.
- Industrial scope and collaboration: organise specific workshops and forums to address the changing needs of NDT in key sectors such as infrastructure, energy, aerospace and manufacturing.

### **Committees, Working Groups and Forums**

#### **Certification Executive Committee (CEC)**

Chaired by Dr Thomas Wenzel. This Committee is responsible for harmonising and overseeing personnel certification in Europe, in line with ISO 9712.

#### **Working Groups**

- WG1 – Education: new Chair (Mr Ignacio González), in the process of reactivation.
- WG2 – Radiation Protection: participation at IAEA events, focus on ISEMIR-IR.
- WG3 – Condition Monitoring: low participation, seeking to reactivate the group.
- WG4 – Laboratory Accreditation: activities paused due to concerns about fraudulent certification in Europe.
- WG5 – NDT for Public Safety and Security: in the process of reactivation (as above), focused on critical infrastructure.
- WG6 – NDT on Additive Manufacturing: proposed new Chair (Dr Matthias Pelkner), support from European Welding Federation (EWF).
- WG7 – Failure Analysis: active internationally, supports root cause analysis investigations.
- WG8 – Human Factors: no replacement for previous leader, discussions on integration with NDE 4.0.

- WG9 – Ethics: awaiting feedback to define priorities, focused on certification and inspection ethics.
- WG10 – NDE 4.0: need for a new leader (Dr Johannes Vrana focused on ICNDT), aiming to differentiate EFNDT and ICNDT initiatives.

### **Sectoral Forums**

- Forum for National Aerospace NDT Boards (NANDTBs): active in reviewing EN 4179 standard.
- Forum for Railway Industries: drafted regulations for mutual recognition of certifications.
- Forum for Marine: no chair after the passing of Mr Luis Garcia, searching for a candidate.
- Forum on Civil Structures: interest in formal establishment, focus on infrastructure and sustainability.
- Forum on Artificial Intelligence: proposed shift to basic AI concepts, webinar planned.

### ***International Activities***

- Collaboration with ASNT (regular meetings).
- Memorandum of Understanding with TIC Council (formerly CEOC).
- Relationship with the European Network for Inspection and Qualification (ENIQ).

### ***Finances***

- Total budgeted revenue: €26,620.
- Actual revenue (as of 01.12.2025): €21,240.
- Distribution:
  - EFNDT (60%): €15,972 (budgeted) / €12,744 (actual)
  - ICNDT (40%): €10,648 (budgeted) / €8,496 (actual).

***Mr Fermín Gómez Fraile***  
*EFNDT President*

## PANNDT (Pan-America)

Current members of the Pan-American Federation for Nondestructive Testing are as follows:

<b>Argentina</b>	AAENDE	Asociación Argentina de Ensayos No Destructivos y Estructurales
<b>Bolivia</b>	ASBOSENDIC	Asociación Boliviana de Soldadura, Ensayos No Destructivos, Inspección y Corrosión
<b>Brazil</b>	ABENDI	Associação Brasileira de Ensaio Não Destrutivos e Inspeção
<b>Canada</b>	CINDE	Canadian Institute for Non-Destructive Evaluation
<b>Chile</b>	ACHISEND	Asociación Chilena de Soldadura Inspección y Ensayos no Destructivos
<b>Colombia</b>	ACOSEND	Asociación Colombiana de Soldadura y Ensayos No Destructivos
<b>Costa Rica</b>	–	Instituto Tecnológico de Costa Rica
<b>Ecuador</b>	ESPOL	Escuela Superior Politécnica del Litoral
<b>Mexico</b>	AMEXEND A.C.	Asociación Mexicana de Ensayos No Destructivos, A.C.
<b>Mexico</b>	IMENDE A.C.	Instituto Mexicano de Ensayos No Destructivos, A.C.
<b>Peru</b>	APEND	Asociación Peruana de END
<b>Uruguay</b>	AENDUR	Asociación Uruguaya de Ensayos No Destructivos
<b>USA</b>	ASNT	American Society for Nondestructive Testing

The current Executive Committee and Board members are listed below:

<b>President</b>	Mr David Bajula (ASNT, USA)
<b>First Vice Chair</b>	Mr Antonio Aulicino (ABENDI, Brazil)
<b>Second Vice President</b>	Mr Jorge Amsler (AAENDE, Argentina)
<b>Secretary / Treasurer</b>	Mr Jorge Amsler
<b>Board Member (Past President)</b>	Mr Glenn Turbrett (CINDE, Canada)
<b>Board Member</b>	Dr César Belinco (AAENDE, Argentina)
<b>Board Member</b>	Mr João Conte (ABENDI, Brazil)
<b>Board Member</b>	Vacant

Based on recent recommendations from legal counsel and in accordance with requirements of Brazilian law governing societies such as PANNDT, the Terms of Reference of the Federation are being revised by the Board. This has resulted in the installation of the new board, as shown above, through 2029.

The region pulled off an incredible conference, PANNDT 2025, in Niagara Falls, Canada, with the host CINDE welcoming participants from across the globe, including hosting the annual ISO/TC 135 meetings. The next conference, PANNDT 2029, will be hosted by ASNT and take place in the USA.

Member countries are also hosting important conferences in the region with ASNT hosting APCNDT 2026 in Hawaii, USA, in May 2026. PANNDT also encourages all to add the 21st WCNDT to your schedule in 2028, which will be hosted by AAENDE in Buenos Aires, Argentina.

## Finance

The audited financial report for 2025 and the budget for 2026 are shown on the following page.

## Acknowledgements

ICNDT wishes to thank its Executive Committee, Committees and Working Groups for their efforts during 2025 and acknowledges the support of the Secretariat provided by BINDT. ICNDT also thanks JSNDI for maintaining the ICNDT website. The Chair personally thanks Dr Mike Farley, who has coordinated and compiled the contents of the Annual Report.

All volunteers working for their NDT societies have had a busy year and their work is much appreciated. It is vital to continue to create a safer world through the wider use of NDT and diagnostic technologies.

***Dr Sajeesh K Babu***  
*Chair, ICNDT*

<b>Financial Statement 2025 and Budget 2026</b>				
	<b>Actual 2024</b>	<b>Budget 2025</b>	<b>Actual 2025</b>	<b>Budget 2026</b>
<b>Opening balance</b>	€158,314.95	€176,261.53	€170,933.53	€169,080.09
<b>Income</b>				
Donation COC	500.00	500.00	–	–
Donation WCNDT	40,000.00	–	–	–
Membership fees	21,386.00	22,000.00	9,196.00	22,000.00
Interest	17.29	30.00	17.24	15.00
PCB CA (OP20)	1,200.00	2,400.00	750.00	2,000.00
MRA (OP19)	4,300.00	8,150.00	6,197.21	9,700.00
EQB product (OP23)	–	3,000.00	–	–
EQB update (OP23)	–	–	–	–
<b>Total</b>	<b>67,403.29</b>	<b>36,080.00</b>	<b>16,160.45</b>	<b>33,715.00</b>
<b>Expenditure</b>				
Meeting expenses	1,224.01	8,000.00	2,928.91	3,000.00
Bank cost	250.91	500.00	245.84	300.00
Bank expenditure	230.28	500.00	147.58	300.00
Printing	2,797.11	4,000.00	–	2,000.00
Office cost	27,948.96	3,000.00	–	2,000.00
PCB cost (OP20)	–	1,700.00	352.00	1,800.00
MRA cost (OP19)	4,840.00	6,512.00	9,747.10	7,800.00
EQB auditor payment (OP23)	–	–	–	1,700.00
EQB service cost	2,244.00	4,928.00	506.00	500.00
Professional services	6,072.00	5,668.00	6,776.00	6,000.00
ICNDT monographs	–	–	–	–
Supplies	–	3,000.00	–	–
Miscellaneous	3,849.44	4,000.00	3,038.46	3,000.00
Website	–	–	–	–
<b>Total</b>	<b>49,456.71</b>	<b>41,808.00</b>	<b>23,741.89</b>	<b>28,400.00</b>
<b>Net income</b>	<b>17,946.58</b>	<b>–5,728.00</b>	<b>–7,581.44</b>	<b>5,315.00</b>
<b>Closing balance</b>	<b>176,261.53</b>	<b>170,933.53</b>	<b>169,080.09</b>	<b>174,395.09</b>

**Note:** The financial overview is presented on a cash basis and shows a deficit for the year of €7,581.44, with end of year reserves of €169,080.09 and therefore scope for future activities. Both income and expenditure were below budget. In particular, income was reduced because of the delays in the transfer of fees collected by APCNDT and PANNDT (which will now be received in 2026).

*Dr Casper Wassink (Treasurer)*

## Notes



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