



INTERNATIONAL COMMITTEE FOR
NON-DESTRUCTIVE TESTING

The World Organisation for NDT

Minutes of the ICNDT

Annual Meeting

Thursday 10th February 2022

Online Participants:

S K Babu	ICNDT Chair/President NDTSS Singapore	Voting
B Alves	President FSEND-Relacre, Portugal	Voting
C Ardeleanu	ARoEND, Romania	Voting
I Baillie	President BINDT, United Kingdom	Voting
C Belinco	AAENDE, Argentina/PANNDT	Voting
M Carboni	Vice President AIPnD, Italy	Voting
T Chady	PTBNIDT/SIMP, Poland	Voting
J Conte	ABENDI, Brazil/President PANNDT	Voting
E Eckhardt	President SSNDT, Slovakia	Voting
A Erhard	President DGZfP, Germany	Voting
P Fisch	President SGZP/SSNT, Switzerland	Voting
A Garcia	President AAENDE, Argentina	Voting
F Gomez	EFNDT President/President AEND, Spain	Voting
C Hakan Gür	TURK NDT, Turkey	Voting
G Idinger	CEO, ÖGfZP, Austria	Voting
Ji Jinguan	Executive Director ChSNDT, China	Voting
D Joshi	President ISNT, India	Voting
L Topolář	President, CNDT Czech Republic	Voting
I Mukriz	MSNT, Malaysia	Voting
T Sakagami	JSNDI, Japan President	Voting
V Syasko	President RSNTTD, Russia	Voting
G Tubrett	CNDE, Canada	Voting
P Wadyalkar	AINDT, Australia	Voting
D-Y Yoon	President KSNT, Korea	Voting
C Wassink	President KINT, Netherlands	Voting
G Aufricht	ÖGfZP, Austria/Treasurer	Non-voting
Y Cho	KSNT, Korea/WCNDT President	Non-voting
J M Farley	ICNDT Past Chair	Non-voting
D J Gilbert	ICNDT General Secretary/BINDT	Non-voting
B Ghose	ISNT, India	Non-voting
R Klieber	Secretary SGZP, Switzerland	Non-voting
J R Lee	KSNT, Korea	Non-voting
T Ogata	Past President JSNDI, Japan	Non-voting
S Ooka	JSNDI, Japan/WG4 Chair	Non-voting
C Rizzetti	AIPnD, Italy	Non-voting
C Bailey	BINDT – Minute Secretary	Non-voting

1. Opening

The Chair welcomed everyone to the meeting which was the second Annual Meeting that has been held remotely. We have gone through several waves of the pandemic and we all know people who have been affected or we have been affected ourselves. The Chair was very pleased to see everyone online today.

2021 was a very difficult year for ICNDT; we delayed our physical GA and the WCNDT has been delayed again. However the decisions that we have taken were the right decisions. Although the WCNDT could have been moved to 2023, because of the regional conferences scheduled for 2023, it was decided to move the WCNDT to 2024. We do now feel confident that the WCNDT will go ahead in 2024. We are seeing the continuous Omicron variant across the globe but the impact is not as serious.

ICNDT financial matters will be dealt with by the Treasurer later in the meeting but the Chair reported that the ICNDT is stable and we closed 2021 with a balance of €138k.

In terms of business worldwide, the market size is growing and there was published research which estimated €7.4 billion in 2021 and a 14.6% growth is expected in 2022 for the NDT and inspection market size, mostly due to the recovery from the pandemic. It is expected that the market will reach €12 billion in 2026.

There are a number of events lined up for 2022 as detailed on the ICNDT website. 2022 is looking promising for us to meet and the Chair encouraged all societies to start meeting physically again and to come out of the virtual way of working.

D Gilbert advised that the notice of the Annual Meeting was issued with due process being followed.

Roll Call

All participants introduced themselves and advised whether they were attending in a voting or non-voting capacity.

Apologies were received from P Milligan, J Muhren, A Mullin, N Ooka and P Trampus.

D Gilbert confirmed that the meeting was quorate.

1. 2021 Annual Report

D Gilbert presented the highlights of the Annual Report which had been circulated prior to the meeting.

D Gilbert thanked all those who had helped and contributed to the 2021 Annual Report in particular Dr Farley, Dr Babu and Mr Aufrecht for his contribution on the finances. He also thanked regional representatives and committee and WG chairs for their contributions.

The Covid-19 pandemic continues to have an impact on the operations of the ICNDT as well as the regional groups and member societies. However, by their admirable innovation and adaptation they have succeeded in maintaining their important activities.

The biggest impact has been the further postponement of WCNDT and because of this some important arrangements regarding the election of Officers, hosting of the 22nd WCNDT and awards were made in 2020 and, at the Annual Meeting in February 2021 it was decided to continue with these arrangements.

As far as meetings are concerned, we had the Annual Meeting in February 2021 which approved the 2020 Annual Report and the fees and budget for 2021. In July 2021 we had a very successful online GA and 42nd Meeting when 27 voting members were present and 12

observers. Reports were received from the regional groups, working groups, committees and ISO and the new ICNDT website was officially launched by Dr Farley. Nine societies also gave presentations.

ICNDT Executive meetings were held on the 7th May and 27th November and in addition several online meetings were held between the IEC and the WCNDT organising committees.

There were no formal meetings of the IAC in 2020 but a workshop was held in October 2021 chaired by Dr Farley.

As far as working groups are concerned, WG1 held an online meeting in April which covered a wide range of topics, including standards, updating the WG1 action plan and the development of an ICNDT Good Practice Guide – Fraudulent Management by Personnel Certification Bodies. This guide will be published on the ICNDT website soon. The ICNDT Certification Executive Committee activities centred around the MRA, conformity assessments of Personnel Certification Bodies (PCBs) and the Examination Question Bank (EQB).

The IEC carries out most of its work by email and online meetings. There are now 47 signatories to the MRA Schedule 1 and there are 21 PCBs registered under MRA Schedule 2 which is three more than the previous year. There is a further application in progress. The ICNDT Register of PCBs has been extended to include MRA membership and all known PCBs have been contacted to supply data. The register has been updated to show PCBs that have updated their data and the revised register is available on the ICNDT website. The ICEC has also issued the ICNDT EQB to an additional PCB showing that there is a continued demand for this. There is ongoing work with regard to the future of the EQB as well. The ICEC Secretary is Mr Colin Bird who can be contacted at the email address available on the website.

The Membership Committee led by J Conte has been in contact with potential new members and the formation of new NDT societies, notably in Chile and Ecuador, but the pandemic has delayed progress. There is an application from the Kazakhstan Association which is in progress. It is important to note that this society is aware that it is now necessary to become a member of the regional group in their particular area. This will then automatically lead to membership of the ICNDT. A pending request was also dealt with from Nigeria and this was also approved in 2021.

WG3 – Research & Education – no meetings were held during 2021. There was a Specialist International Group (SIG) on NDE 4.0 which was very active and published an article on their activities in the ICNDT journal. The SIG on NDT Reliability made good progress and also published an article in the ICNDT journal.

WG4 – Communications – planning to hold a meeting at the WCNDT so no physical meetings have been held due to the pandemic. Action plans have been updated in accordance with the ICNDT Strategic Plan and the working group has progressed the ICNDT Photographic Competition, the new website and the collection system of membership fees through the Regional Federations. There are further developments under consideration within this group for the ICNDT website and is hoped that this will provide a more effective communication and a streamlined approach for members and users.

WG5 – Radiation Protection & Safety – a large part of the activity is associated with ISEMIR which is a web based information system. A survey was conducted which was very successful collecting data from regulatory bodies as well as companies.

WG6 – there were no meetings in 2021 but Argentina has offered to discuss all standards of ISO/TC 108/SC 5 ‘Condition Monitoring and Diagnostics of Machine Systems’ within WG6.

Chair’s activities – Dr Babu attended the online Annual Meeting but travelled to the UK to attend the 42nd GA. During the pandemic he has delivered a video message for the 6th Iranian NDT International Virtual Conference and virtually participated in the NDE 4.0 Conference. He delivered a lecture to researchers from the Seoul National University of Technology and also

delivered a lecture during the Annual Conference of KSNT. He recently provided opening remarks virtually for the Far East NDT New Technology & Application Forum held in China.

D Gilbert summarised by saying that although many face to face meetings have not been possible the activities have continued and have been significant throughout all of the working groups.

ISO TC135 – online meeting held on 22nd October which was led by Dr N Ooka for the last time as Chair of that committee. The new Chair of ISO TC135 is T Ogata. Most activities of interest were related to the ISO 9712 revised standard. The ballot was closed on the 16th November and the new standard has now been published.

There have been two issues of the ICNDT journal in 2021 and we are looking to continue with that for 2022.

Acknowledgements – ICNDT wished to thank its Executive Committees, Committees and Working Groups for their efforts during 2022 and acknowledged the support of the secretariat provided by BINDT. Thanks were also reiterated to the 20th WCNDT organising Committee, particularly Professor Ik-Keun Park, Conference Chair and Professor Younho Cho, WCNDT President, for their efforts in dealing with the complexities of organising and rearranging the 20th WCNDT. All volunteers working for their NDT societies have again faced extra challenges in 2021 and this work is much appreciated. It is vital to continue to create a safer world through wider use of NDT and diagnostic technologies.

2. Accounts and balance as at 31/12/2021 – G Aufricht

The Treasurer reported that we started 2021 with a balance of €133k and ended the year with €138k which was a very slim balance without the donation from the WCNDT. We have also had problems with the receipt of fees from the European regions because they had problems in transferring the 40% share to ICNDT.

Most of the expenditure is related to the ICEC Secretary for controlling the MRA processes. The Secretary (Colin Bird) does a lot of very good work together with the ICEC Chair (Harold Jansen) and it was a pleasure working with both of them.

Because of the pandemic, there have been no face to face audits and therefore we could not realise the necessary audits and we tried to find a way of solving these problems. There was a very small amount of MRA PCB costs.

The auditors have checked the accounts and confirmed the balance without any comments or remarks.

3. Budget for 2022

There are some planned activities such as face to face meetings and audits as well as an upgrade of the ICNDT website with the help of JSNDI. We are considering a new software platform for the EQB. The budget for 2022 will be without an increase of fees so we start with an opening balance of €138k but may end the year with an allocation to reserves of €133k.

4. Approval of Financial reports and membership fees

The Annual Report, Balance Sheet for 2021 and Budget for 2022 were unanimously approved.

The membership fees for 2022 (no change) were also approved unanimously.

5. Approval of Operating Procedures

There were no changes to the Constitution or Operating Procedures during 2021 and no changes are in progress.

6. GA Plan

The Chair proposed that the 2022 GA is held as a virtual meeting on 29th April 2022. An invitation and agenda will be circulated by email well in advance. It is anticipated that this will be a four hour meeting with detailed presentations from those societies willing to present. We would also expect a report from the regions about their upcoming conferences in 2023.

The GA will include the new ISO 9712 and the implications and will also include a plan to deliver various ICNDT workshops at the 2023 ECNDT.

The ICNDT GA during ECNDT 2023 will include the selection of Chair and Officers for the next term.

We will then have our 2024 GA during the 20th WCNDT in Korea. We will discuss potential dates for this as well as meetings we are planning to have at the ECNDT in Portugal.

7. Report on IAC – M Farley

A workshop was held on 1st October 2021 to explore ideas for the Strategic Plan. The focus was on innovations because of the pandemic, both for implementation by ICNDT and member societies. There were presentations from ASNT, BINDT and DGZfP. Topics that were discussed for change were online branch meetings, online annual conferences, online board meetings, online SIG meetings, home working arrangements and the 'continuous work model' for volunteer work. An additional idea from Professor Herelli is to organise a meeting of individuals who specialise in providing mediation services in disputes involving NDT. These ideas will be the basis for new ICNDT actions in future strategic plans.

8. WCNDT Update – Y Cho

Unfortunately we had to postpone the WCNDT one more time to 2024. The conference will now be held week commencing 24th May 2024 and hopefully we can finally make it happen as a successful in person event. Y Cho has been given some challenging tasks but the money is the most important issue, particularly how much of an impact there will be on the budget due to the multiple postponements. However, there is continued support for the WCNDT and it is still in good shape with around 90% of presenters and exhibitors still on board. The last announcement of the WCNDT postponement was made at the end of last year but we may receive some more requests for refunds during the first half of this year.

KSNT has put together a paper showing the status of abstracts submitted by country and region. We still have more than 1,000 papers (including posters) which is still a very good number and is comparable to previous World Conferences. We are very grateful to all for their continued support.

The exhibition is still looking good, we still have 188 exhibitors which is close to 90% of the initial number. It is anticipated that we will be refunding about €100k but the total income for the WCNDT is more than €3m so there will still be a good amount of income. Although we have been through a very difficult situation financially, Y Cho believed that there is still a very positive feeling about the success of the WCNDT.

Y Cho reported that he had recently received an email from NDT Net with the suggestion of making the WCNDT papers available as a special issue within the NDT Net. Y Cho has not yet replied because he personally felt that this was not something that we could provide to one private company. The WCNDT is a different level of conference compared to the smaller scale regional conferences and its long standing tradition and history must remain. We could consider publishing all of the papers in the future as a special issue in the ICNDT name but not in the name of a private company. We need to be careful about how we respond to NDT Net.

S Babu agreed that we should not be giving our papers to NDT Net and this will be discussed in more detail with the IEC. D Gilbert agreed with what Y Cho and S Babu have said and he

would like to see more details of what is proposed. S Babu suggested that we allocate time at the next GA to discuss the WCNDT in more detail.

Y Cho asked about the process of deciding the next WCNDT host society and asked if this process will be followed at the WCNDT in 2024 or whether the GA in 2023 will be the time for the voting process. S Babu advised that this will be on the agenda for the WCNDT in 2024. D Gilbert advised that several societies have put themselves forward as host for the 22nd WCNDT and he will contact each of these societies to see if they are still interested in putting forward a bid. We will follow the due process for sending out any information as far as this is concerned.

9. 2022 Meeting Schedule

29th April 2022 (tentative) – online GA.

There will be four IEC meetings on a quarterly schedule.

WG1 meeting – late March/early April – dates to be confirmed.

WG4 meeting – February 2022.

Physical 2023 GA and 44th meeting – July 2023 in Lisbon.

GA 2024 and 45th/46th meetings – June 2024 in Korea.

10. Any other business

D Yoon expressed appreciation on behalf of the KSNT and the WCNDT Organising Committee. Because of the pandemic the WCNDT has been postponed a number of times and he thanked IEC for their sincere discussions. He also thanked Argentina for their consideration in moving the 21st WCNDT to 2028. The WCNDT is not just an event for one country but is a festival for NDT societies around the world and their participation in 2024 is needed. KSNT promised to do their best for the successful hosting of the WCNDT in 2024.

Meeting closed.



The World Organisation for NDT

Annual Report 2021

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 2021.

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 continue to be impacted by the COVID-19 pandemic, but by admirable innovation and adaptation they have succeeded in maintaining their important activities. The biggest impact has been the further postponement of the 20th World Conference on Non-Destructive Testing (WCNDT), which was due to be held in South Korea in June 2020 and is now scheduled for 27-31 May 2024.

Following the postponement of the 20th WCNDT due to the COVID-19 situation, it was necessary to make alternative arrangements for some of the ICNDT business that is normally conducted every four years at the World Conference.

In accordance with the ICNDT Constitution, a General Assembly (GA) should be held at the World Conference. At the GA, the ICNDT Officers (Chair, General Secretary and Treasurer), the Secretariat and the Auditors are elected. The GA also decides on the venue of the next but one World Conference (in this case the 22nd).

The ICNDT Executive Committee (IEC) discussed what should be done and recommended the following:

- The GA meetings should be postponed until the 20th WCNDT.
- The current office bearers, Secretariat and Auditors should remain in office until the GA is held at the 20th WCNDT.
- The decision on the 22nd WCNDT should be postponed until the GA is held.
- The presentation of the ICNDT Awards should be postponed until the 20th WCNDT.

Since these recommendations are outside the normal constitution, it was necessary to ask for approval of them by the full membership of ICNDT. In accordance with the Constitution (paragraph 8.1), a quorum of one third of the voting membership and a simple majority of the votes cast was required. Each Full Member had one vote. A period of four weeks was allowed for voting via email ballot, with a deadline of 22 May 2020. The members gave unanimous approval. At the Annual Meeting on 11 February 2021, approval was given to continue these arrangements.

Meetings, Committees and Groups

Annual Meeting 2021

The Annual Meeting of ICNDT members was held online on 11 February 2021, with 32 voting members present and 13 observers. Those present included: Dr Sajeesh Babu, Chair; David Gilbert, General Secretary; Gerhard Aufricht, Treasurer; Dr Mike Farley, Past Chair and ICNDT Advisory Committee (IAC) Chair; Professor Younho Cho, President of the Korean Society for Nondestructive Testing (KSNT); and Professor Ik-Keun Park, Chair of the WCNDT Organising Committee. The Annual Report for 2020 was approved, along with the accounts for 2020 and the fees and budget for 2021, which were presented by Gerhard Aufricht. Members were given an update on the plans for the 20th WCNDT, which was at that time scheduled for February 2022.

ICNDT online General Assembly and 42nd Meeting

An online GA was held on 19 July 2021, from 10h00-15h00 BST. The meeting was chaired by Dr Sajeesh Babu, ICNDT Chair, who was present at the headquarters of the British Institute of Non-Destructive Testing (BINDT) in the UK along with David Gilbert, General Secretary. 27 voting members (including four regional representatives) and 12 observers were present.

Reports were received from the regional groups, the Working Groups (WGs) and the International Organization for Standardization (ISO).

There was discussion around the rearrangement of the 20th WCNDT to spring 2022 and the 16th Asia-Pacific Conference on Non-Destructive Testing (APCNDT) and the 13th European Conference on Non-Destructive Testing (ECNDT) to 2023.

The new ICNDT website was officially launched by Dr Mike Farley. Nine member societies gave short presentations on their activities.

The unconfirmed minutes of the meeting are available to view on the ICNDT website at: www.icndt.org/ICNDT_GA_2021_07_19_Internet_Unconfirmed.pdf

ICNDT Executive Committee (IEC)

IEC meetings were held online on 7 May and 27 November 2021. Both meetings were chaired by Dr Sajeesh Babu. In addition, several online meetings were held between the IEC and the WCNDT Organising Committee. IEC members also attended the General Assembly in July 2021 and the IAC Workshop on the Strategic Plan in October 2021.

ICNDT Advisory Committee (IAC)

Due to the postponement of the 20th WCNDT, there was no meeting of the IAC in 2020. Dr Mike Farley, IAC Chair, organised and chaired a workshop on 1 October 2021 to explore ideas for the next ICNDT Strategic Plan. The focus was on innovations that have come about because of the pandemic and how these might be followed up by ICNDT and made use of by other member societies. There were presentations from the American Society for Nondestructive Testing (ASNT), BINDT and the German Society for Non-Destructive Testing (DGZfP), along with discussions covering:

- Online branch meetings
- Online annual conferences
- Online board meetings
- Online Specialist International Group (SIG) meetings
- Home working arrangements/changed facility needs ('team spaces')
- The 'continuous virtual work' model for volunteer work
- Online conferences.

An additional idea, from Professor Herelli, Past President of the African Federation for Non-Destructive Testing (AFNDT), is to organise a meeting of individuals who specialise in providing mediation services in disputes involving NDT. These ideas will be the basis for new ICNDT actions in future strategic plans.

World Conference on Non-Destructive Testing (20th WCNDT)

The COVID-19 pandemic has continued to disrupt the plans for the 20th WCNDT. There was excellent progress to the end of November 2021, with a total of 1206 abstracts submitted and over 700 registered participants from 48 countries. Professor Younho Cho and Professor Ik-Keun Park of KSNT regularly reported any progress to the IEC and the online GA.

Recently, two physical meetings were held between the ICNDT Chair and KSNT. The meetings were held on 24 and 25 November 2021 with the Planning and Strategic Committee and the Organising Committee, respectively. A situation analysis was tabled discussing the uncertainty of the Korean government's situation regarding the opening of borders and the non-availability of a venue for the later part of 2022. These factors meant that the feasibility of making the 2022 conference accessible to all was a great challenge. Major exhibitors expressed a preference for a face-to-face meeting and were not keen on a hybrid format due to fewer interactions and exchanges, leading KSNT to take the decision to postpone the conference and exhibition until a later date. On further analysis of the various planned regional conferences, it was found that the best option was to move the conference to 2024; this would result in a cycle shift in the timing of the World Conference, which is normally held every four years. The host of the 21st WCNDT (the Asociación Argentina de Ensayos No Destructivos y Estructurales (AAENDE)) has kindly agreed to shift its conference to 2028. With approval from the KSNT Organising Committee meeting held on 16 December 2021, the conference is now rescheduled to be held from 27-31 May 2024 at the same convention centre, Songdo Conventia, Incheon, South Korea.

Several meetings and workshops were planned alongside the WCNDT – some may need to be organised virtually or alongside other regional or national conferences.

The world is recovering from the pandemic and safety and health is a top priority for ICNDT. In the meantime, more technical papers are expected to be submitted and the latest innovations will be showcased during the next WCNDT.

At the meeting of the IEC on 27 November 2021, which included representation from the four regions, it was agreed unanimously that 2024 will be kept completely free for the 20th WCNDT, ie there will be no regional conferences or competing national events.

Working Group 1 (Qualification and Certification)

An online meeting of WG1 was held on 21 April 2021. The following issues were discussed: WG1 membership; best practices in the implementation of ISO/IEC 17024:2012 for NDT personnel certification; the updating of the WG1 Action Plan; a report on the work of the ICNDT Certification Executive Committee (ICEC); the current situation with the revision of ISO 9712:2012 and other ISO standards related to NDT personnel qualification/certification; the updating of the *ICNDT Guide to Qualification and Certification of Personnel for NDT* to reflect the changes to ISO 9712, pressure equipment directive (PED) approval for non-European countries; and the Workshop on Certification to be held at the 20th WCNDT in South Korea.

It was decided to develop an *ICNDT Guide to Good Practice – Fraudulent Management by Personnel Certification Bodies* to prevent unfair delivery of ISO 9712 personnel certification and reduce the risk for Certification Bodies. A Task Group (TG) was established with Convener Dr Sajeesh Babu. The idea is that members that are part of Schedule 2 of the ICNDT Multilateral Recognition

Agreement (MRA) will extend their best efforts to eliminate any deviations from both ISO/IEC 17024:2012 and ISO 9712:2012 during the operation of their certification schemes. The guide will seek to provide the best practice on the following: the structure of Certification Bodies; outsourcing; the application process; use of the Examination Question Bank (EQB), practical examination; instruction writing/procedure writing; and decisions on certification. The guide will be published on the ICNDT website.

WG1 will start work on interpretation of the new version of ISO 9712 as soon as it is published.

The ICNDT Certification Executive Committee (ICEC)

Activities of the ICEC centre around the MRA, conformity assessment of Personnel Certification Bodies (PCBs) and the EQB. The ICEC, which carries out most of its work via email and the internet, held online meetings on 5 January, 25 June, 27 October and 15 December 2021.

In response to the COVID-19 pandemic, the ICEC Secretary has worked with the PCBs where necessary to maintain their registration if audits were delayed. It can now be reported that all of the ICNDT OP19-registered PCBs are fully audited and registered.

There are now 47 signatories to the MRA Schedule 1. There are 21 PCBs registered under the MRA Schedule 2, which is three more than the previous year, with a further Schedule 2 application in progress. The ICNDT register of PCBs has been extended to include MRA membership and all known PCBs have been contacted to supply data. The register has been updated to show PCBs that have made contact and updated their data and this revised register has been published on the ICNDT website.

ICEC has issued the ICNDT EQB to an additional PCB, showing the continued demand for this, and has ongoing applications for the EQB.

Present ICEC members are as follows:

- Mr Harold Jansen (Chair)
- Mr Alexander Mullin (WG1 Chair)
- Dr Norikazu Ooka (Asia-Pacific region)
- Mr Gerhard Aufricht (ICNDT Treasurer)
- *To be confirmed* (Africa region)
- Mr João Rufino Teles Filho (Pan-America region)
- Dr Matthias Purschke (Europe region).

The Secretary is Colin Bird, who can be contacted at: icec-secretary@icndt.org

Membership Committee

Members are as follows:

- Mr João Conte (Chair)
- Mr Alexander Mullin (RSNTTD, Russia) – mullin@ndt-rus.ru
- Mr David Gilbert (BINDT, UK) – david.gilbert@bindt.org
- Mr Les Dick (NZNDTA, New Zealand) – ljedick@ndt.co.nz
- Dr Matthias Purschke (DGZfP, Germany) – pm@dgzfp.de
- Mr Shohei Ooka (JSNDI, Japan) – shohei@jsndi.or.jp
- Prof Ferid Herelli (COTEND, Tunisia) – herelliferid29@gmail.com

Led by Mr João Conte, the focus of the Membership Committee has been on contact with potential new members and the formation of NDT societies in Chile and Ecuador. However, the pandemic has delayed progress. The application of the [Qazaqstan Association Defectoscopy – Kazakhstan](#) has been approved. This association is aware that it is necessary to become a member of the Asia Pacific Federation for Non Destructive Testing (APFNDT), which automatically leads into the [ICNDT](#). A pending request still exists for the Institute of Non-Destructive Testing – Nigeria (INDTN), which will be subject to due diligence once the pandemic permits.

During the last virtual meeting of the Pan-American Federation for Nondestructive Testing (PANNDT), the committee was informed that some Latin American societies were not able to pay the ICNDT annual fee due to the hard economic situation.

Working Group 3 (Research and Education)

There were no meetings of WG3 during 2021.

The Specialist International Group on NDE 4.0 published an article about its activities in the *ICNDT Journal*.

The Specialist International Group on NDT Reliability made good progress, with an article published in the *ICNDT Journal* and a completed Action Plan.

Working Group 4 (Communications)

WG4 was planning to hold meetings at the 20th WCNDT in Seoul, South Korea, and the 16th APCNDT in Melbourne, Australia. However, there were no physical meetings due to the COVID-19 pandemic. Mr Shohei Ooka, Chair of ICNDT WG4, updated the action plans according to the ICNDT Strategic Plan created by the ICNDT Executive Committee. With his Working Group, the Chair progressed the ICNDT Photograph Competition, the renewal of the ICNDT website and a collection system for the ICNDT membership fees through the Regional Federations. In addition, a discussion took place regarding a revamped interface system for the ICNDT website that will provide more effective communication and a streamlined approach for members and users.

The *ICNDT Journal* was published twice, Volume 9 Issue No 8 in May 2021 and Volume 9 Issue No 9 in November 2021.

Working Group 5 (Radiation Protection & Safety)

Mr David Gilbert is a member of the International Atomic Energy Agency (IAEA) Working Group on ISEMIR-IR. The Information System on Occupational Exposure in Medicine, Industry and Research (ISEMIR) is an IAEA web-based information system that aims to optimise occupational radiation protection. It is divided into two topical areas in which radiation protection of workers can be a challenge:

- Interventional cardiology (IC)
- Industrial radiography (IR).

The ISEMIR-IR WG comprises the following personnel: Mr David Gilbert (UK); Ms Charlotte Kaps (Germany); Mr Richard van Sonsbeek (Netherlands); Mr Francisco Da Silva (Brazil); and Mr Jizeng Ma and Mr Guojun Yuan (both IAEA).

A virtual (Webex) meeting of the WG was held on 22 June 2021, the main objectives of which were to review and analyse the results of the global survey and discuss the strategy to promote the ISEMIR-IR system.

Mr David Gilbert presented a summary of the results of the survey at the 2021 ICNDT General Assembly. The key points were as follows:

- Two new surveys were conducted: one for regulatory bodies and one for NDT companies.
- A good number of completed questionnaires were received from NDT companies – a total of 284 from 42 different countries (of which 130 were from companies in Europe).
- Collected data included categories of data recorded, including number of individual doses, source details, accidents/incidents, number of radiographers, training records and workload (films/year).
- A total of 45 completed questionnaires were received from regulatory bodies, from 44 different countries.
- One of the main conclusions is that there is still plenty of work to do to promote the use of the database worldwide, especially in service companies.

ISEMIR is an important part of the activities but it is not the only subject covered by WG5.

WG meetings are planned to be held at the 13th ECNDT in July 2023 and the next WCNDT.

Working Group 6 (CM & Technical Diagnostics)

There have been no meetings of WG6 in 2021 but Argentina has offered to discuss all standards of ISO/TC 108/SC 5 'Condition Monitoring and Diagnostics of Machine Systems' in WG6. As that committee has a strong relationship with some aspects of asset management (there is a liaison officer between both ISO/TC committees, TC 108 and TC 251 'Asset Management'), the offer is also to discuss within WG6 the subjects of TC 251, related to condition monitoring. During December, an open discussion of an ISO/TC 108/SC 5 standard was held for the first time in the frame of this Working Group.

Professor Len Gelman and Mr César Belinco, Co-Chairs, WG6

Chair's Activities

Dr Sajeesh Babu, ICNDT Chair, attended the ICNDT Annual Meeting online due to the pandemic, then travelled to the UK to attend the 42nd General Assembly with Mr David Gilbert, General Secretary, from BINDT headquarters. During the pandemic, he delivered a video message for the 6th Iranian NDT International Virtual Conference (IRNDT 2021) and virtually participated in the NDE 4.0 Conference by presenting a joint paper with Dr Mike Farley on 'ICNDT actions on NDE 4.0'. He delivered a lecture to researchers from the Seoul National University of Technology and also delivered a lecture during the Annual Conference of KSNT. He recently provided the opening remarks virtually for the Far East NDT New Technology & Application Forum (FENDT 2021) held in Kunming, China. As the attendance at physical events was severely curtailed due to the pandemic, adoption of new means of communication was successful during 2021.

ICNDT Officers 2021:

ICNDT Chair	Dr Sajeesh K Babu (Singapore)
ICNDT Past Chair	Dr Mike Farley (UK)
ICNDT General Secretary	Mr David Gilbert (UK)
World Conference President	Prof Younho Cho (Korea)
NDT Society to provide Secretariat	The British Institute of NDT (UK)
Treasurer	Mr Gerhard Aufricht (Austria)
Auditors	Mr Douglas J Marshall (Canada) and Dr Werner Schmid (Switzerland)
Chair – ICNDT Certification Executive Committee	Mr Harold Jansen
Chair WG1 – Qualification and Certification	Mr Alexander Mullin (Russia)
Chair WG2 – Membership	Mr João Conte (Brazil)
Co-Chairs WG3 – Research and Education	Prof Younho Cho (Korea) and Prof Anton Erhard (Germany)
Chair WG4 – Communications	Mr Shohei Ooka (Japan)
Chair WG5 – Radiation Protection & Safety	Ms Charlotte Kaps (Germany) and Mr David Gilbert (UK)
Co-Chairs WG6 – CM & Technical Diagnostics	Prof Len Gelman (UK) and Mr César Belinco (Argentina)
Chair WG7 – Administration	Dr Mike Farley (UK)

Regional Group Representatives:

Africa	Dr Kamal Sahaimi
	Mr Harold Jansen
Asia-Pacific	Dr Norikazu Ooka
	Mr Les Dick
Europe	Mr Fermín Gómez Fraile
	Mr Alexander Mullin
Pan-America	Mr César Belinco
	Mr Neal Couture

Strategic Planning and Organisation

A draft updated Strategic Plan was due to be presented at the Annual Meeting in 2020. However, before finalisation the COVID-19 pandemic hit and priorities changed. The IEC has continued to organise ICNDT according to the intent of the Strategic Plan but taking into account the COVID-19 situation.

Changes to the Constitution and Operating Procedures

There have been no changes to the Constitution or updates to the Operating Procedures (OPs) during 2021.

APFNDT (Asia-Pacific)

APFNDT Membership and Executive Committee

The APFNDT website can be accessed at: www.apfndt.org/index.html

The APFNDT Executive Committee (AEC) meeting was held online.

Regarding APFNDT's membership and organisation status, the current members and regional representatives are as follows:

Full Members	17 societies
Secondary Full Members	Three societies
Associate Members	Eight societies (2017-2020)
Regional Representative Group One	Western Asia, Central Asia, South Asia – two members
Regional Representative Group Two	East Asia, South East Asia – four members
Regional Representative Group Three	Pacific and Oceania – two members

APFNDT Executive Committee:

President	Dr Norikazu Ooka (JSNDI, Japan)
Vice President	Dr Jong Po Lee (KSNT, Korea)
Past President	Dr B Venkatraman (ISNT, India)
General Secretary	Mr Les Dick (NZNDTA, New Zealand)
Treasurer	Mr Kevin Smith (ASNT, USA)
President of the 16th Asia-Pacific Conference on Non-Destructive Testing (16th APCNDT)	Mr Paul Grosser (AINDT, Australia)
Auditor	Dr Sajeesh K Babu (NDTSS, Singapore)
Secretariat	Mr Shohei Ooka (JSNDI, Japan)

APFNDT Board Members:

Regional Representative Group One (Western Asia, Central Asia, South Asia)	Dr D J Varde (ISNT, India)
	Mr Alexander Mullin (RSNTTD, Russia)
Regional Representative Group Two (East Asia, South East Asia)	Dr Gong Tian Shen (ChSNDT, China)
	Dr Man Yong Choi (KSNT, Korea)
	Dr Takamasa Ogata (JSNDI, Japan)
	Prof Chih-Hung Chiang (SNTCT, Taiwan)
Regional Representative Group Three (Pacific and Oceania)	Mr Glenn Tubrett (CINDE, Canada)
	Mr Pranay Wadyalkar (AINDT, Australia)

APFNDT Task Groups

The following seven TGs were established in order to carry out specific activities:

TG1 Membership	Mr Kevin Smith (ASNT, USA)
TG2 APFNDT Journal	Prof Jung-Ryul Lee (KSNT, Korea)
TG3 Communications	Mr Shohei Ooka (JSNDI, Japan)
TG4 Education and Training	Dr B Venkatraman (ISNT, India)
TG5 Certification	Mr Paul Grosser (AINDT, Australia)
TG6 Standards	Dr Takamasa Ogata (JSNDI, Japan)
TG7 NDE 4.0	Mr Pranay Wadyalkar (AINDT, Australia)

Current Activities of APFNDT (2021)

While face-to-face meetings were not possible, the AEC met numerous times online to manage Federation activities, review OPs and conduct general business such as budgetary items. In addition, for the first time an online APFNDT GA was successfully held on 1 October 2021. Organised by the Australian Institute for Non-Destructive Testing (AINDT), the 16th APCNDT, due to be held in Melbourne, Australia, from 18-22 October 2021, has been postponed until 28 February-3 March 2023, but the event preparation is progressing as planned. Additionally, a report was given on the 17th APCNDT, due to take place in Hawaii, USA, in 2026, organised by ASNT.

TG1 met to discuss potential new members, the creation of a new membership OP and ways in which to provide support for current members. TG4 reported that traction and support for the APFNDT newsletter had been gained and, as such, three publications were issued throughout 2021. TG6 conducted a valuable survey on member society certified personnel regarding standards in use and aims to use this information for the distribution of standards to members in accordance with approved funds allocated from the budget. TG7 met several times throughout the year to discuss and plan future activities.

Future Activities for APFNDT

The AEC will continue to meet on a regular basis throughout the year and activities will be coordinated through the TGs. In particular, those TGs with approved budget items, such as TG2 and TG6, will work to develop and implement their proposals. TG1 will continue to develop support for current members, new members and drafting a new membership OP. TG4 will continue collaborating with ICNDT WG4, distributing the newsletters and developing the APFNDT website, online payment system and membership directory.

Furthermore, APFNDT will work to revitalise all the activities of the TGs and promote cooperation with external organisations, such as ISO/TC 135 standardisation activities, the IAEA's NDT projects and continuing work with the Asian Welding Federation (AWF) in the field of NDT regarding welding.

For the next meeting, depending on the COVID-19 situation, the AEC and Board plan to meet at the 20th WCNDT to discuss regional matters of the Federation.

AFNDT (Africa)

During 2021, the African Federation of NDT (AFNDT) has mostly focused on national activities, with very little focus on regional activities.

President	Dr Kamal Sahaimi (COMEND, Morocco)
Executive Secretary	Mr Harold Jansen (SAIW, South Africa)
Countries/Full Members	Algeria (CRTI)
	Angola (CTN)
	Cameroon (Hydrac)
	Ghana (GAEC)
	Kenya (KEBS)
	South Africa (SAINT)
	Sudan (SSNDT)
	Tunisia (CETIME)
	Morocco (COMEND)
	Libya (Welding Center Tripoli)
Affiliate Member and Secretariat	South Africa (SAIW)

With the onset of the COVID-19 pandemic and the adoption of digital platforms to facilitate meetings, a more active approach to regional corporation was initiated during two successful meetings held on 7 and 16 December 2021. Representatives from Uganda, Ghana, Nigeria, Sudan, Tunisia, Cameroon, Mauritius and South Africa took part during these meetings.

The objectives of these meetings were to address modifications required to the current constitution that was adopted in 2014, as well as means to increase participation in the Regional Federation.

The outcomes of these meetings were as follows:

- Proposed amendments to the constitution were to be collated and discussed during a meeting scheduled for 27 January 2022, followed by the finalisation of the revised constitution, tabling it for final adoption during an AGM planned for April 2022.
- The objective of contacting all 54 countries in the AFNDT region and encouraging active participation was supported.

EFNDT (Europe)

During 2021, the European Federation for Non-Destructive Testing (EFNDT) carried out many different actions, despite the situation facing all societies due to the COVID-19 pandemic. The Board of Directors (below) met several times online during the year.

Board of Directors Members	
President	Mr Fermín Gómez Fraile (Spain)
Vice President	Mr Alexander Mullin (Russia)
Treasurer	Mr Etienne Martin (France)
Directors	Professor Anton Erhard (Germany)
	Dr Yordan Mirchev (Bulgaria)
	Mr Jan Verkooijen (The Netherlands)
	Professor Michele Carboni (Italy)
	Dr Pavel Mazal (Czech Republic)
	Mr Bento Otonne Alves (Portugal)
	Mr David Gilbert (UK)
Co-opted Members (non-voting)	
	Mr Gerhard Aufricht (Austria)
	Mrs Dominique Moussebois (Belgium)
Ex-Officio Members (non-voting)	
General Secretary	Dr Emilio Romero (Spain)
Past President	Professor Peter Trampus (Hungary)
ECNDT 2023 President	Mr Bento Otonne Alves (Portugal)
ECEC President	Dr Matthias Purschke (Germany)
Auditor	Mr René Klieber (Switzerland)

EFNDT Matters

EFNDT has redefined the ten Working Groups and three Forums and these have started their work through virtual meetings and conferences. These ten groups and three forums are as follows:

- WG1 – Education
- WG2 – Radiation Protection and ADR
- WG3 – Condition Monitoring
- WG4 – Laboratory Accreditation
- WG5 – NDT for Public Safety and Security
- WG6 – NDT on Additive Manufacturing (two meetings)
- WG7 – Failure Analysis (Risk Analysis) (one meeting together with ICNDT)
- WG8 – Human Factors
- WG9 – Ethics (internal work with some associations)
- WG10 – NDT 4.0 (six meetings, one conference hosted by DGZfP and an international conference planned in Spain for aerospace NDT (AEROEND 4.1))
- Forum for European National Aerospace NDT Boards (NANDTBs) (two meetings and development of EN 4179)
- Forum for Railway Industries
- Forum for Marine (preparing underwater inspection specifications; contact with the International Association of Classification Societies (IACS)).

Additionally, a Working Group with the European Welding Federation (EWF) has been reactivated to complete the European NDT Engineer proposal (two meetings in 2021).

An agreement has also been reached with the TIC Council Confederation of Inspection and Certification Organisations to work together on WG6 and WG10 matters.

Projects and Actions

Robotics for Inspection and Maintenance (RIMA) is a four-year EU Horizon 2020 project that aims to establish a network of 13 Digital Innovation Hubs (DIHs) on robotics, sharing best practices and providing services to facilitate uptake of inspection and maintenance technologies. The RIMA network encompasses leading research organisations supporting one DIH per region, aligned with regional policies and industry sectors and sectorial associations that will make a bridge with end-users and industries. EFNDT is in the process of establishing whether or not its members wish to participate.

Other Matters

The EFNDT General Assembly held recently was divided into two parts. A Task Group led by Mr Alexander Mullin, EFNDT Vice President, prepared a revision and update to the EFNDT statutes to be discussed at the General Assembly on 10 December 2021. This was submitted for approval at an Extraordinary Assembly on 17 January 2022.

Brexit

EFNDT has had two extraordinary meetings to analyse the situation due to Brexit in relation to the European PED 2014/68/EU.

BINDT has agreed a process with an EU27 Recognised Third-Party Organisation for the certification of NDT personnel. This process is fully compliant with CEN/TR/15589 Route B requirements and allows BINDT/PCN to issue certifications that are acceptable under the PED.

ECNDT

The Organising Committee of the next ECNDT had several meetings with the President and Secretary of EFNDT and recommended to the Board of Directors (BoD) that the dates for the 13th ECNDT should be rescheduled to 3-7 July 2023 in Lisbon, Portugal, due to the postponement of the 20th WCNDT and after consultation with the Lisbon Exhibition Centre and the professional conference organisers, sponsors and exhibitors. This recommendation was approved by the BoD.

IAEA-ARCA PROJECT

On 18 May 2021, a webinar was held with some South American countries, Italy and Spain, focusing on their certification schemes. EFNDT will make a presentation of its activities and projects in order to invite these countries to disseminate it.

Mr Fermín Gómez Fraile, EFNDT President

PANNDT (Pan-America)

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

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

The current PANNDT Board is as follows:

President	Mr João Conte (ABENDI, Brazil)
Vice Chair	Mr David Bajula (ASNT, USA)
Treasurer	Prof Jorge Amsler (AAENDE, Argentina)
Secretary	Mr Glenn Tubrett (CINDE, Canada)

The PANNDT Strategic Plan is being reviewed by the Board and the next PANNDT Conference is scheduled for June 2023, in Niagara Falls, Ontario, Canada.

PANNDT members held a virtual meeting in June 2021, while the Board held two virtual meetings (in May and October 2021). At these meetings, representatives gave an overview of their activities as well as the best practices on changing to online training, examinations applications, etc.

MRA, PCB and EQB

Multilateral Recognition Agreement (OP19)

- There are currently 47 signatories to Schedule 1 of the MRA. See: <https://bit.ly/3HrPsmH>
- There are currently 21 PCBs registered under the MRA Schedule 2, an increase of three during 2021. The latest registrations are Korea, China Taiwan and India. See: <https://bit.ly/32Uq1eJ>

Personnel Certification Body Compliance Assessment (OP20)

- China re-registered under OP20 in 2021.

Examination Question Bank

- The maintenance and longer-term development of the EQB remains under discussion and it is hoped that an online delivery system may be facilitated in the future. A demonstration of an online EQB has now been provided by the Southern African Institute of Welding (SAIW), South Africa.
- The EQB was issued to the Instituto Mexicano de Ensayos No Destructivos (IMENDE), Mexico, in 2021.

ISO/TC 135

The in-person meetings of ISO/TC 135 committees planned for the days following the 20th WCNDT in Seoul, June 2020, were postponed. ISO/TC 135 and SC's meetings were held online from 11 to 22 October 2021 to develop related standards, with reports on those activities of 2019 and 2020. An online meeting of ISO/TC 135 Plenary was held on 22 October 2021 led by Dr Norikazu Ooka (JISC) for the last time as the Chair of ISO/TC 135. ISO/TC 135 resolved to hold the next meeting with ISO/TC 135 and all SCs at the 20th WCNDT in Korea as a face-to-face and/or hybrid meeting with the advice from ISO Central Secretariat due to the COVID-19 situation.

Online meetings of ISO/TC 135/SC 7 were held on 18 October 2021 in conjunction with other ISO/TC 135 meetings to report one of the main activities of the ISO 9712 FDIS following the ballot which was closed on 16 November and as a result of this the new standard was published. Dr Mike Farley and Dr Sajeesh K Babu participated as liaison members of ISO/TC 135 on behalf of ICNDT.

Website/Journal/Publications

The ICNDT Secretariat has continued to provide updates to members through the website and the *ICNDT Journal*.

ICNDT is delighted to have overseen a transition to a much more attractive and versatile website, courtesy of an agreement with the Japanese Society for Non-Destructive Inspection (JSNDI). Mr Shohei Ooka, JSNDI, organised the new website using the same contractor that the Japanese Society uses for its own website. The work has been completed satisfactorily and data and documents from the old website have been transferred over (see www.icndt.org). Under the agreement, ICNDT paid a financial contribution to the cost of the new website and JSNDI has agreed to cover the maintenance and service costs going forward.

ICNDT is grateful to DGZfP for previously providing the platform for the ICNDT website and to BINDT, especially Zoe White and Cindy Bailey, for updating and maintaining the previous website.

Finance

The audited financial report for 2021 and the budget for 2022 are shown in the following pages.

Acknowledgements

ICNDT wishes to thank its Executive Committee, Committees and Working Groups for their efforts during 2021 and acknowledges the support of the Secretariat provided by BINDT. Thanks are also reiterated to the 20th WCNDT Organising Committee, particularly particularly Professor Ik-Keun Park, Conference Chair, and Professor Younho Cho, WCNDT President, for their efforts in dealing with the complexities of organising and rearranging the 20th WCNDT.

All volunteers working for their NDT societies have again faced extra challenges this year and this work is much appreciated. It is vital to continue to create a safer world through wider use of NDT and diagnostic technologies.

Dr Sajeesh K Babu, Chair, ICNDT

Balance at 31.12.2021		
	2021	2021
	Income (€)	Expenditure (€)
Opening balance	133,260.12	
Donation from Austrian Chamber of Commerce	500.00	
Donation from WCNDT	0.00	
Membership fees (new fee structure)	10,575.19	
Bank account Nr: 290-317-995/01 – interest	13.54	
PCB CA service (OP20)	0.00	
MRA Service (OP19)	3300.00	
EQB product: application fees (OP23)	0.00	
EQB update fees (OP23)	0.00	
Meeting expenses/Go to meetings		0.00
Bank account Nr: 290-317-99501 – cost		326.28
Bank expenditures for incoming fees		66.10
Printing costs		0.00
Office costs		235.75
PCB CA service costs (<i>system administration, insurance</i>) (OP20)		1924.06
MRA/PCB – auditor payment (OP19)		2960.00
EQB service costs (<i>administration and overheads</i>) (OP23 contingencies)		363.71 440.00
Professional service		2760.00
Preparation of ICNDT monographs		0.00
Supplies (<i>ICNDT badges, flags, etc</i>)		0.00
Miscellaneous (<i>shipping, conference calls</i>)		0.00
Total	147,648.85	9075.90
Allocation to reserves (31.12.2021)		138,572.95

Gerhard Aufricht, Treasurer, 3 January 2022, Vienna. Rev 1.

Financial Report – Draft Budget 2022

	Income (€)	Expenditure (€)
Opening balance (01.01.2022)	138,572.95	
Donation from Austrian Chamber of Commerce	500.00	
Donation from WCNDT	0.00	
Membership fees 2022	22,792.00	
Membership fees 2021 (EFNDT)	9224.00	
Bank account Nr: 290-317-995/01 – interest	30.00	
PCB CA service (OP20)	1000.00	
MRA service (OP19)	5400.00	
EQB product – application fees (OP23)	3750.00	
EQB update fees (OP23)	600.00	
Meeting expenses/Go to meetings		1500.00
Bank account Nr: 290-317-995/01 – cost		300.00
Bank expenditures for incoming fees		50.00
Printing costs		2000.00
Office costs		2000.00
PCB CA service costs (<i>system administration, insurance</i>) (OP20)		2000.00
MRA/PCB – auditor payment (OP19)		6400.00
EQB service costs (<i>administration and overheads</i>) (OP23 contingencies)		2500.00
Professional service		3840.00
Preparation of ICNDT monographs		0.00
Supplies (<i>ICNDT badges, flags, etc</i>)		2000.00
Miscellaneous (<i>shipping, conference calls</i>)		500.00
Website upgrade		25,000.00
Total	181,868.95	48,090.00
Allocation to reserves (31.12.2021)	133,778.95	

Gerhard Aufricht, Treasurer, 3 January 2022, Vienna. Rev 1.

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Tel: +44 (0)1604 438300 | Fax: +44 (0)1604 438301 | Email: info@bindt.org | Web: www.bindt.org

The ICNDT is registered as a legalised Association with its seat in Vienna, Austria. Registered Office: 1230 VIENNA, Jochen-Rindt-Straße 33

Chair: S K Babu | Email: chairman@icndt.org

www.icndt.org



INTERNATIONAL COMMITTEE FOR
NON-DESTRUCTIVE TESTING

The World Organisation for NDT

20TH WCNDT REPORT TO ICNDT ANNUAL MEETING ON FEBRUARY 10, 2022

MAJOR ACTIVITIES OF ORGANIZING COMMITTEE SINCE NOVEMBER 2021

- The organizing committee of the 20th WCNDT had review meeting with Dr. Sajeesh Kumar Babu on Nov.24-26, 2021 in Korea to discuss various options for future direction of the 20th WCNDT.
- The organizing committee of the 20th WCNDT officially decided to postpone the conference at the meeting held on Dec.16, 2021 and new date for 20th WCNDT is [May 27-31, 2024](#). The venue remains the same as Songdo Convensia in Incheon, South Korea.
- Posting official announcement of the postponement on the conference website at the end of Dec, 2021 and sending out e-news letter informing postponement to all related conference stakeholders including presenting authors, registered participants, exhibitors, and sponsors as well.
- Informing all ICNDT member societies and IEC of postponement of the conference in early January, asking for their active participation and continued interest in the conference. And also letting them know the change of the president of the KSNT and 20th WCNDT Chairman
- Updating logistic issue on 20th WCNDT including any changes of major policies and practically applicable details in the form of “ Frequently Asked Questions” on the conference website.
- Submitting articles on the postponement of 20th WCNDT to the APFNDT Secretariat to publish in the APFNDT newsletter.

UPCOMING ACTIVITY PLAN FROM FEBRUARY 2022

- Responding to request of registration fee refund for those who will not be able to attend the conference because of inevitable circumstances with excluding bank transfer fees and administrative charges
- Renovation of the conference website by reflecting rescheduled important dates, revised conference program, minor change in the member of organizing committee and opening the online registration/abstract submission system as well.
- Establishing detailed plans for conference organization and entire budget in preparation for increasing in overall expenditure and decreasing in earnings led by the postponement of the conference in 2024.

Secretariat: The Korean Society for Nondestructive Testing

22 Teheran-ro 7-gil, Gangnam-gu, Seoul, Korea

Tel: +82-2-583-7564; Fax: +82-582-2743; Email: ksnt@ksnt.or.kr

- Encouraging previous abstract submitter who haven't registered yet to make registration in accordance with the re-designated date.
- Reorganizing conference management plan factoring into postponement of about two and a half years for efficient management of the conference.
- Thorough management of current registrations and abstracts as well as promotion of additional registration and abstract submission.
- Making an effort to focusing on additional booth sales.

STATUS QUO OF THE 20TH WCNDT

- As of Jan. 2022, Registration Status (Based on Country & Region)

No.	Country & Region	Full	Student	Meeting	Companion	Exhibition	NDT Society	Total
1	Korea	75	21	-	1	15	-	112
2	Argentina	-	-	1	-	-	1	2
3	Australia	4	-	-	-	2	-	6
4	Austria	5	2	-	-	3	1	11
5	Azerbaijan	-	-	-	-	-	1	1
6	Belarus	-	-	-	-	-	-	0
7	Belgium	2	4	-	-	4	-	10
8	Brazil	1	-	-	-	-	-	1
9	Canada	16	5	1	3	11	-	36
10	China	23	11	-	4	21	-	59
11	Colombia	1	-	-	-	-	-	1
12	Croatia	-	-	-	-	2	-	2
13	Czech Republic	2	2	1	-	3	1	9
14	Denmark	-	-	-	1	-	-	1
15	Finland	2	-	-	-	-	1	3
16	France	28	-	1	-	14	-	43
17	Germany	43	8	4	3	29	1	88
18	Hong Kong	1	1	-	-	-	-	2
19	Hungary	-	-	-	-	-	1	1
20	India	1	-	1	-	5	-	7
21	Iran	-	-	-	-	-	1	1
22	Israel	-	-	-	1	4	-	5
23	Italy	5	-	-	-	2	-	7
24	Japan	29	14	2	-	1	2	48
25	Kazakhstan	-	-	-	-	-	1	1
26	Lithuania	1	-	-	-	-	-	1
27	Malaysia	4	-	-	-	2	-	6
28	Netherlands	7	-	-	-	1	-	8
29	New Zealand	-	1	-	-	-	-	1
30	Nigeria	-	-	-	-	-	-	0
31	Norway	1	-	-	1	-	1	3
32	Philippines	-	-	-	-	-	-	0
33	Poland	6	-	-	-	-	-	6
34	Portugal	1	-	-	-	-	1	2
35	Romania	-	-	-	-	-	-	0
36	Russia	13	-	2	1	-	-	16
37	Singapore	2	-	-	-	6	-	8

Secretariat: The Korean Society for Nondestructive Testing

22 Teheran-ro 7-gil, Gangnam-gu, Seoul, Korea

Tel: +82-2-583-7564; Fax: +82-582-2743; Email: ksnt@ksnt.or.kr

38	Slovakia	-	-	-	-	-	1	1
39	Spain	3	-	-	-	-	-	3
40	Sweden	3	-	-	-	4	1	8
41	Switzerland	2	1	-	2	-	1	6
42	Chinese Taipei	2	-	-	-	1	-	3
43	Thailand	3	-	-	-	-	-	3
44	UK	10	4	1	-	21	1	37
45	Ukraine	-	1	-	-	6	-	7
46	USA	24	4	1	1	14	2	46
Total		320	79	15	18	171	19	622

* excluding cancellation & non-payment

• As of Jan. 2022, Abstract Submission Status (Based on Country & Region)

	Division	Oral	Poster	Total
1	Korea	145	108	255
2	China	129	58	187
3	Germany	97	18	115
4	USA	82	7	89
5	Japan	65	8	73
6	France	59	9	68
7	UK	58	5	63
8	Canada	48	7	55
9	India	32	3	35
10	Russia	14	13	27
11	Singapore	15	2	17
12	Czech Republic	12	5	17
13	Italy	10	2	12
14	Brazil	5	7	12
15	Chinese Taipei	8	3	11
16	Netherlands	9	2	11
17	Malaysia	11	0	11
18	Switzerland	10	1	11
19	Iran	6	4	10
20	Austria	10	0	10
21	Poland	5	4	9
22	Belgium	7	1	8
23	Sweden	8	0	8
24	Spain	5	1	6
25	Hong Kong	4	1	5
26	Thailand	4	1	5
27	Turkey	4	1	5
28	Croatia	2	3	5
29	Finland	3	1	4

	Division	Oral	Poster	Total
30	Vietnam	4	0	4
31	Belarus	1	3	4
32	Ukraine	3	1	4
33	South Africa	4	0	4
34	Saudi Arabia	2	1	3
35	Australia	3	0	3
36	Israel	3	0	3
37	Norway	3	0	3
38	Philippines	3	0	3
39	Mexico	3	0	3
40	Colombia	2	0	2
41	Hungary	2	0	2
42	Lebanon	2	0	2
43	Lithuania	2	0	2
44	Romania	1	1	2
45	Nigeria	2	0	2
46	Argentina	1	0	1
47	Latvia	1	0	1
48	New Zealand	1	0	1
49	Nepal	1	0	1
50	Pakistan	1	0	1
51	Portugal	1	0	1
52	Slovakia	1	0	1
53	UAE	1	0	1
54	Kenya	0	1	1
55	Tunisia	0	1	1
Total (1198)		Oral	Poster	Total
Domestic		146	109	253
Oversea		775	176	945

Secretariat: The Korean Society for Nondestructive Testing
22 Teheran-ro 7-gil, Gangnam-gu, Seoul, Korea
Tel: +82-2-583-7564; Fax: +82-582-2743; Email: ksnt@ksnt.or.kr

- As of Jan. 2022, Exhibition Contracts Completed: All 343 booths (based on 9 sq.m.) are sold out.

No.	Countries & Region	No. of Companies
1	China	37
2	Korea	37
3	USA	28
4	Germany	17
5	UK	15
6	France	12
7	India, Japan	10 (5 for each)
8	Canada, Israel, Italy, Singapore	12 (3 for each)
9	Belgium, Croatia, Czech Republic, Poland, Russia, Ukraine	12 (2 for each)
10	Austria, Denmark, Finland, Norway, South Africa, Switzerland, Sweden, Chinese Taipei	8 (1 for each)
	26 Countries	188 Companies

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