



INTERNATIONAL COMMITTEE FOR  
NON-DESTRUCTIVE TESTING

*The World Organisation for NDT*

## Minutes of the ICNDT

### Annual Meeting

Thursday 10<sup>th</sup> 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 Muhrén, 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 Aufricht 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 22<sup>nd</sup> 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 42<sup>nd</sup> 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 7<sup>th</sup> May and 27<sup>th</sup> 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 WGI 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 IEC 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 IEC 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 42<sup>nd</sup> GA. During the pandemic he has delivered a video message for the 6<sup>th</sup> 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 22<sup>nd</sup> 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 16<sup>th</sup> 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 20<sup>th</sup> 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 20<sup>th</sup> 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 29<sup>th</sup> 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 20<sup>th</sup> 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 1<sup>st</sup> 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 24<sup>th</sup> 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 22<sup>nd</sup> 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**

29<sup>th</sup> 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 44<sup>th</sup> meeting – July 2023 in Lisbon.

GA 2024 and 45<sup>th</sup>/46<sup>th</sup> 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 21<sup>st</sup> 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.*



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## 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 20<sup>th</sup> 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 20<sup>th</sup> WCNDT Chairman
- Updating logistic issue on 20<sup>th</sup> 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 APFNDD Secretariat to publish in the APFNDD 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](mailto: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 20<sup>TH</sup> 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     |

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

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|              |                |            |           |           |           |            |           |            |
|--------------|----------------|------------|-----------|-----------|-----------|------------|-----------|------------|
| 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         |
| <b>Total</b> |                | <b>320</b> | <b>79</b> | <b>15</b> | <b>18</b> | <b>171</b> | <b>19</b> | <b>622</b> |

\* 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            |
| <b>Total (1198)</b> |              | <b>Oral</b> | <b>Poster</b> | <b>Total</b> |
| Domestic            |              | 146         | 109           | <b>253</b>   |
| Oversea             |              | 775         | 176           | <b>945</b>   |

Secretariat: The Korean Society for Nondestructive Testing  
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 Tel: +82-2-583-7564; Fax: +82-582-2743; Email: [ksnt@ksnt.or.kr](mailto: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)       |
|     | <b>26 Countries</b>  | <b>188 Companies</b> |

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](mailto:ksnt@ksnt.or.kr)