

APFNDT Regional News

Newsletter Vol. 4, Issue 2. July, 2021

Asia Pacific Federation for Non-Destructive Testing
(APFNDT)



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Secretariat of APFNDT

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I. Current APFNDT Board of Directors

APFNDT Executive Committee (AEC) 2017-2021



President

Dr. Norikazu Ooka,
The Japanese Society for
Non-Destructive Testing (JSNDI)



General Secretary

Mr. Les Dick
New Zealand Non Destructive Testing
Association (NZNDTA)



Vice President

Dr. Jong Po Lee
The Korean Society for
Nondestructive Testing (KSNT)



Treasurer

Mr. Kevin Smith
The American Society for Nondestructive
Testing (ASNT)



Immediate Past President

Dr. B. Venkatraman
Indian Society for Non-destructive
Testing (ISNT)



16th APCNDT President:

Mr. Paul Grosser
The Australian Institute for
Non-Destructive Testing (AINDT)

APFNDT Board Members (ABM) 2017-2021

Regional Representative Group One – Western Asia, Central Asia, South Asia

Mr. D. J. Varde,
The India Society for Non-
Destructive Testing (ISNT)

Mr. Alexander Mullin,
The Russian Society for Non-
Destructive Testing and Technical
Diagnostics (RSNTTD)

Representative Group Two - East Asia, South East Asia

Dr. Gong Tian Shen,
The Chinese Society for Non-
Destructive Testing (ChSNDT)

Dr. Man Yong Choi,
The Korean Society for Non-
Destructive Testing (KSNT)

Dr. Takamasa Ogata,
The Japanese Society for
Non-Destructive Inspection (JSNDI)

Prof. Chih-Hung Chiang,
The Society for Nondestructive
Testing and Certification of Taiwan
(SNTCT)

Regional Representative Group Three – Pacific, Oceania

Mr. Glenn Tubrett,
The Canadian Institute for
Non-Destructive Evaluation (CINDE)

Mr. Pranay Wadyalkar,
The Australian Institute for Non-
Destructive Testing (AINDT)

Auditor

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

Secretariat of APFNDT

The Japanese Society for
Non-Destructive Inspection (JSNDI),
secretariat@jsndi.or.jp

II. Message from the President of APFNDT

Greetings member countries of the Asia Pacific Federation for Non-Destructive Testing.

In 2013, APFNDT was founded and is already in its eighth year. Similar to the expression, "Time flies like an arrow", I am realizing how quickly the time has passed. In regards to COVID-19 and the global pandemic, I hope all members are staying safe and keeping in mind their health. I know that many member countries in APFNDT are experiencing difficulties such as lockdowns in Malaysia and Australia, in addition Japan has faced challenges as the Olympic host country, so I hope all of you will continue to use safe practices.

During the last APFNDT Board Meeting, due to the difficulty in holding face to face meetings because of the global pandemic, it was approved to extend the current terms of offices for the Executive Committee (AEC) and Board until the next in person General Assembly to be held in conjunction with the 16th APCNDT in Melbourne, Australia from February 27th to March 3rd, 2023. After consultation with the Board members, the proposal was approved without objection.

For the time being, until we can recruit new members it is very important to continue to maintain APFNDT activities and foster cooperation between countries as best we can through tools such as WEB conferences. Also, before the next APCNDT can be carried out, the dates for the 20th WCNDT, organized by Korea, has been changed to February 28th through March 4th, 2022. Because most NDT Societies and organizations are rushing worldwide to resume conferences, participating sponsors and guest speakers have been difficult to acquire. Especially because Korea is not only holding the conference, but is also a member of APFNDT, so that the 20th WCNDT is successful we should all support KSNT as much as possible. In addition, the 16th APCNDT in Melbourne, Australia and the 17th APCNDT in Hawaii, USA are important so it is truly the time for APFNDT members to strengthen their collaboration and support each other.

As far as other APFNDT activities go, the Regional Newsletter will continue to be published, TG 5 has made improvements to various standards, and the newest task group for NDE 4.0 (TG 7) has been formed. It is our hope that with TG 7, APFNDT will be able to disseminate more information on the subject throughout the Asia Pacific region in the future. In addition, as APFNDT has many advanced countries as members, we need to promote technical cooperation with IAEA/RCA activities, as well as, it is essential to promote a qualification certification scheme for nondestructive testing personnel based on ISO 9712 and to work toward mutual recognition.

As the current president, I will continue to do my best to carry out APFNDT activities and appreciate all of your support and cooperation.

Best regards,

Dr. Norikazu Ooka

Dr. Norikazu Ooka,
President,
The Asia Pacific Federation for Non-Destructive Testing (APFNDT)

III. Report from APFNDT TG 3 (Communications)

For some years now APFNDT Task Group 3 (TG 3) and ICNDT Working Group 4 (WG 4), have been cooperating to give a long overdue update to the ICNDT website and are excited to announce that it will be accessible by mid-July, 2021. As the Secretariat of APFNDT, the Japanese Society for Non-Destructive Inspection (JSNDI) has been working with a Japanese company to not only improve the aesthetics, but also add some new functions that will be beneficial to all member societies.

Firstly, in order to keep every members information up to date, a new registration database will be implemented where NDT Societies can input appropriate details regarding contacts, addresses, or changes to elected officers. This way member societies will not need to inform the Secretariat and information will be updated in a more streamlined fashion.

In addition, a new payment system for collecting membership fees will be implemented where APFNDT member societies will be able to pay online securely and conveniently by credit card. From the Secretariats point of view this will make collecting the fees much easier and help to alleviate shortages due to bank transfers.

On a separate note, TG 3 has also resumed publishing the APFNDT regional newsletter. Mr. Forrest Schlegel, along with support from Mr. Kota Kubo, have been collecting and editing NDT related articles from the Asia-Pacific region in order to produce this quarterly newsletter. Because we are always in need of new content and so that the newsletter can continue, if you have an event to promote, news from your NDT Society, or anything else please feel free to contact the Secretariat of APFNDT.

Shohei Ooka

secretariat@jsndi.or.jp

The Japanese Society for Non-Destructive Inspection



IV. NDT Training Recognised (NZNDTA)

Dear APFNDT members, over the last few years, following on from Industry requests, the NZNDTA has been endeavouring to build an NDT Training Capability, fully compliant with ISO 9712 & ISO/TS 25107. As other small Societies will fully appreciate, this is no small endeavour, especially with no paid staff, this work has relied fully on the Volunteers! That said the dreadful Covid times we are in, has certainly permitted the "Personal Time" being available due to lockdowns.

Within New Zealand, the national certification body, "Certification Board for Inspection Personnel (CBIP)", is the non-government organisation responsible for not only NDT, but also, a number of other Inspection Regimes (Pressure Equip, Cranes, EWP's etc) & therefore NDT is only a small part of their organisation. Consequently we (The NZNDTA) have had to "apply for recognition" of our training courses (one by one). With Ultrasonics being the first method approached (due to the biggest demand).

Therefore, we are very pleased to confirm that "Recognition" was received just in time for our very first UT course, held over the period 17-28 May 2021. This initial course was a composite course aimed at providing both Level 1 Welds & Level 2 Thickness training (with the possibility of supporting any Level 2 Welds Candidates whom, met the pre-requisites, required by CBIP. The Course in the end attracted Eight (8) Candidates, of varying experience levels, with the majority choosing to sit the Level 2 Thickness Exams & with Two attempting the Level 1 Welds exam also.

As our very first attempt at conducting formal NDT training to meet ISO standards, it went very well, with the inevitable small things which we hadn't accounted for, but now places the NZNDTA in a position to move forward. Therefore, this month we have now applied to have our "Penetrant & Magnetic Particle" Training, also Recognised by CBIP, with plans to hold the first of these by September/October 2021. Ultimately, as CBIP only provides the basic Four (4) methods: RT/UT/PT & MT for

Certification, we will be looking to fulfill these modalities first off, with a view to supporting the “Advanced Methods”, through other existing agreements.



Left to Right: Leslie Dick (NZNDTA Chairman), Dr. Mahmoud Emamjomeh (Rio Tinto), Mr. Rick Cummins (SQA Ltd), Mr. Yannic Derore (PEI Ltd), Mr. Ruan Lombard (Accurate Instruments), Mr. Tim Fowler (Tutor), Mr. Rob Penney (Prac Tutor), Mr. Alexis Jouglin (HSM Eng Ltd), Mr James Cesar (SQA Ltd), Mr. Ivor Levin (3PI Ltd). Absent is Mr. Tim Bayard (Detim)

OTHER Projects on NDT

The NZNDTA also continues to be fully active members of the IAEA Regional Co-operation agreement activities. With recent support of the latest project on NDT in Civil Infrastructure (namely Concrete), for pre & post disaster management.

The NZNDTA is also represented on a number, of International Committees: APFNDT Executive

NANDTB Board Australia

ISO TC 135 & SC 7 (as “O” members)

The Joint Aust/NZ Standards committees (MT003)

Regards,

Leslie Dick

NZNDTA Chairman



NZ Non Destructive Testing
Association Inc.
C/- HERA, PO Box 76-134 Manukau
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Web: www.ndta.org.nz

V. NDE 4.0 Committee (AINDT)

Information for this article provided by “Industrial Eye”, The Official Journal of the Australian Institute for Non-Destructive Testing (Volume 8, No. 2)

On February 6th, 2021, The Australian Institute for Non-Destructive Testing (AINDT) was finally able to form and approve a committee for NDE 4.0. It was always AINDT’s intention to appoint a committee, but as the COVID-19 pandemic was rampant and AINDT’s commitment to organizational transparency is a top priority, delays in its formation were understandable. As stated in AINDT’S official journal, “Industrial Eye” in an article titled, “AINDT NDE 4.0 Committee progress”, the Chairmen of the committee, Mr. Pranay Wadyalkar, goes on to describe,

“The chairman is interim because the committee shall elect its chairman based on committee member’s merits and needs of the committee, rather than the AINDT Federal Council or the Board of Directors appointing the Chairman to a person to whom they know.”

Since NDE 4.0 is at the forefront of NDT, Mr. Wadyalkar goes on to describe in the above mentioned article that there are still many questions to be answered regarding the subject. For example, there is still work to be done in defining NDE 4.0 and its applications, as Mr. Wadyalkar goes on to say,

“NDT is primarily a testing activity on its own, as we have been doing for decades. NDE 4.0 is a broader term which also includes NDT by digitalization and managing human-cyber-human interfaces and machine to machine interfaces efficiently, securely and ethically.”

As NDE 4.0 continues to gain traction cooperation at not only the national or regional level, but at the international level as well. Because of this Mr. Wadyalkar is by no coincidence the convenor for the newly formed APFNDT Task Group, TG 7 NDE 4.0. As the field of NDE 4.0 continues to explore more advanced methods of utilizing NDT, APFNDT will further seek to synergize with

member countries such as Australia to help disseminate information on the subject throughout the Asia-Pacific Region and hopefully even further.

To read the full article, please visit AINDT's official site at <https://www.aindt.com.au/Documents/DocType/View/DocID/201> For those wishing to contribute to NDE 4.0 through AINDT or APFNDT please contact pranay@lmats.com.au or secretariat@apfndt.org

Peter Milligan (peter.milligan@aindt.com.au),
Chief Executive Officer



VI. Introduction to NDT in Mongolia (MSNDT)

Activities began with a TC project titled "Gamma Radiography Training" implemented from 1992 to 1994. The Mongolian Society of Non-Destructive Testing (MSNDT) was established in 1999 in framework with IAEA/RCA project implementation activities with an aim to implement ISO 9712 into Mongolian infrastructural sectors, namely Thermal Power Plants, Civil Aviation, Railway Sectors and Civil Engineering. NDT training activities started with industrial radiographic testing courses and were further developed for other NDT methods which are used in existing infrastructural sectors, in addition, national training courses were held in regards to RT Level II in 1998 and Level III in 2002.



The first National Scientific Conference on NDT and Diagnostics, organized by the Mongolian University of Science and Technology (MUST) and the Mongolian Society of Non-Destructive Testing (MSNDT), Ulaanbaatar, Mongolia, 2016

In regards to NDT engineering activities, ISO standards on common NDT methods are being used and up to now more than thirty standards have been issued as national standards, for example the MNS ISO 9712:2019 version has been implemented. Personnel certification in NDT was initiated with newly developing Mining Industry requirements and since 2012 MSNDT established a National Certifying Body as the first accredited NCB as per the MNS ISO/IEC 17024 standard in Mongolia and as of now the Governing board of the society consists of 7 members acting as a NCB.

The Mongolian NDT PCB is capable of certifying personnel up to Level II on methods such as RT, UT, MT, PT, VT, concrete testing, and Level III in regards to RT and VT for welding.



Metal Magnetic Memory inspection for determination of stress concentrated zone in a mining machine component.

MSNDT has been also been responsible for protecting the interests of its members, developing internal and external relations, implementation of non-destructive testing standards, developing training and certification activities.

The emergence of a large number of private companies in Mongolia that specialize in non-destructive testing are directly related to the activities of the society.



In recent years, there has been a growing shortage of highly qualified personnel due to the increasing demand for non-destructive testing in connection with incoming industrializing projects, namely Mongol Refinery by India and natural gas pipelines by the Russian Federation.

Some other notable points from MSNDT include:

- In 2019 became a member of the Asia-Pacific Federation of NDT
- Domestically, we have started to provide membership services to companies that provide services in NDT.
- MSNDT has also started to provide NDT consulting services to member organizations.

B.Batmunkh,
TPP#4 of Ulaanbaatar

B.Tumendemberel, (btumen@must.edu.mn)
President,
The Mongolian Society of Non-Destructive Testing
(MSNDT)

VII. APFNDT Highlights; Series 2; APCNDT 2009

On November 8th to 13th of 2009 the 13th Asia-Pacific Conference on Non-Destructive Testing (APCNDT 2009) was held at the PACIFICO YOKOHAMA Conference Center in Japan. Not since the 3rd APCNDT in 1980 in Tokyo had Japan hosted and after 29 years had the

opportunity to hold it once more. The total number of participants during the session exceeded 300, with a total of 174 lectures given, including 107 oral presentations and 67 poster presentations. Four speakers were also invited to give a keynote address each from, Korea, The United States of America (USA), Malaysia, and Japan respectively.



The PACIFICO YOKOHAMA Conference Center



APCNDT 2009 Conference Bag

The number of exhibitors at the exhibition, held in conjunction with the APCNDT, was 19 and each company introduced the latest equipment technology, and as a consequence promoted ample interest amongst those present. In addition, the 18th World Conference on

Non-Destructive Testing (WCNDT 2012) in South Africa, the 14th APCNDT in Mumbai, India, British Institute of Non-Destructive Testing (BINDT) in the United Kingdom (UK), and JSNDI also had exhibitions and invited participation in the upcoming events.

On November 8th, the day before the opening ceremony, the welcome reception was held in a standing room format where registered participants and others could freely enter and exit, providing the perfect opportunity for nearly 100 participants to network and share information while enjoying the beautiful night view. In addition, various events such as banquets and technical tours were held.

During the APCNDT, meetings were also held for the following, APFNDT General Assembly, ICNDT/PGPC, ICNDT/WG1, Workshop on NDT for Enhancement of Cooperation with Asia Pacific Societies organized by JSNDI, ISO/TC 135 and each meeting was successful and productive.



APFNDT GA Attendees

Article provided by,
Dr. Norikazu Ooka, President of APFNDT

VIII. Message from the Secretariat

The Secretariat of the Asia Pacific Federation for Non-Destructive Testing (APFNDT), the Japanese Society for Non-Destructive Inspection (JSNDI), is located at the main branch in Tokyo, Japan.

While the Secretariat serves many functions to help APFNDT run smoothly, one of the main ones revolves around communication. Especially because of the ongoing COVID-19 pandemic, having up to date information on events or news from the Asia-Pacific region is more important than ever. Because of this, it is our hope that APFNDT members will use this quarterly newsletter as a beneficial resource to not only stay current on NDT news but also to contribute it.

While the Secretariat strives to collect useful information for each issue, we cannot continue to publish it without contributions from members of APFNDT National Societies. If your NDT Society has a national or international event, newly elected officers, information on certification, or anything else we encourage you to contact the Secretariat of APFNDT, so that we can share it with the rest of the Asia-Pacific region and continually produce the Regional Newsletter

In addition, the Secretariat of APFNDT has been working hard in cooperation with APFNDT Task Group 3 (Communications) and ICNDT Working Group 4, and we are happy to announce a new payment system will be released later on this year. It is our hope that with this new online system APFNDT members will be able to renew their membership in APFNDT and ICNDT smoothly and without the need for numerous back and forth emails.

Furthermore, the new payment system will feature a safe and secure method for online credit card payments for convenience. While there are still some small details to finalize, we expect to launch the new system for members to use before the online General Assembly in October 2021.

Thank you and best regards,

Secretariat of APFNDT (apfndt@jsndi.or.jp)



The World Organisation for NDT



ICNDT Photograph Competition 2022 “NDT Stories in Pictures”

Songdo Convensia, Incheon, Korea

Prize

Win the prize of “One Free Full Registration” to the 20th World Conference on Non-Destructive Testing (WCNDT 2020) from 28 February to 4 March 2022 in Korea.

Deadline

30 November 2021

Commendation

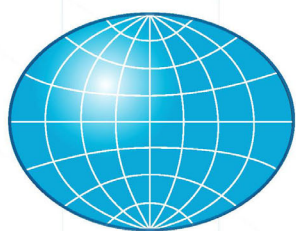
The winner will be announced by the end of January 2022, and awarded during the 20th WCNDT 2020 with a certificate of commendation.

How to apply

To enter the “ICNDT Photograph Competition 2022”, please fill in all forms, and send it with one photograph to the ICNDT WG 4. (icndt@jsndi.or.jp).



If you have any inquiries you wish to know, please contact to ICNDT WG 4 (icndt@jsndi.or.jp).



ASNT

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www.wcndt2020.com

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Incheon Metropolitan City

20th WCNDT

20th World Conference on Non-Destructive Testing

Songdo Convensia, Incheon, Korea
Feb 28 (Mon) ~ Mar 4 (Fri), 2022

IMPORTANT DATES

| | |
|--|--------------------|
| Abstract Submission | June 30, 2021 |
| Notification of Acceptance of Abstract | August 31, 2021 |
| Submission of Camera-ready Abstract(Mandatory) | September 30, 2021 |
| Submission of Extended Abstract or Paper(Optional) | September 30, 2021 |
| Registration and Payment of Presenting Author | September 30, 2021 |
| Preliminary Program | October 31, 2021 |

Contact Us

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 E-mail: secretariat@wcndt2020.com
 Website: www.20thwcndt.com / www.wcndt2020.com

ICNDT
 The World Organisation for NDT

KSNT

16th ASIA PACIFIC CONFERENCE FOR
NON-DESTRUCTIVE TESTING 2023

MELBOURNE CONVENTION
AND EXHIBITION CENTRE

MELBOURNE
AUSTRALIA

28 FEB-3 MAR 2023



A new date has been announced for APCNDT 2023!
With strong interest from Australian and International Exhibitors, Booths are selling fast.
Get in now to secure your spot!



WELCOME TO
AINDT
ASIA PACIFIC CONFERENCE
APCNDT 2023

The 16th APCNDT Conference is promising to be the must attend regional event for the Asia Pacific Federation for Non-Destructive Testing and its member societies. The conference will include a technical and scientific program along with technical educational workshops presented by leading NDT and CM experts.

As one of the biggest events on the NDT Calendar for 2023, be sure to **SAVE THE DATE!**



EVENT DETAILS:

When: 28th Feb - 3rd March, 2023
Host: Australian Institute for Non Destructive Testing
Venue: Melbourne Convention and Exhibition Centre
City: Melbourne, Australia



For more information about attending, exhibiting, presenting or sponsoring, please visit apcndt2023.com.au or phone +61 3 9328 8831



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PANNDT 2023

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All of this and the beauty of Niagara Falls? We'll see you there.

We look forward to welcoming you to Niagara Falls in June 2023!



www.panndt.org



events@cinde.ca



1-800-964-9488

Events & Conferences 2021 – 2022 Schedule

KSNT Conferences

2021 Fall Conference

28 – 29 October, 2021

Yeosu the Ocean resort, Jeollanam-do, Korea

For further information, visit the website at:

<http://eng.ksnt.or.kr/>, or email the secretariat at:

ksnt@ksnt.or.kr

ASNT Conferences and Events

Please visit asnt.org/events to see more information on ASNT Events.

Digital Imaging & Ultrasonics for NDT

27 – 29 July 2021

Reno, NV

16th International Symposium on Nondestructive Characterization of Materials

10 – 12 August 2021

Baltimore, MD

ASNT 2021: The Annual Conference

15 – 18 November 2021

Phoenix, AZ

7th US-Japan NDT Symposium

23 – 26 August, 2022

Waikoloa Beach Marriot Resort & Spa, Waikoloa, HI

DGZfP Conferences

The 1st International Conference on NDE 4.0

26 – 28 April, 2022

Eurostars Grand Central, Munich, Germany

BINDT Conferences

59th BINDT Annual Conference of NDT

7 – 9 September, 2021

The International Centre, Telford, UK

ChSNDT Symposiums

7th International symposium on Laser Ultrasonics and Advanced Sensing

October, 2021

Nanjing, Jiangsu Province, China

MSNT Conferences

Malaysia International NDT Conference and Exhibition 2020 (MINDTCE`20)

16 – 17 August, 2022

Sunway Pyramid Convention Centre (SPCC), Malaysia.

EFNDT Conferences

The 13th European conference on Non-Destructive Testing (ECNDT 2022)

6 – 10 June, 2022

Centre de Congressos de Lisboa (CCL), Lisbon, Portugal

NDTSS Conferences

The 4th Singapore International Non Destructive Conference & Exhibition (SINCE 2022)

7 – 8 November 2022, Singapore

Marina Bay Sands International Convention Centre