

# **APFNDT Regional News**

**Newsletter Vol. 1  
September 22, 2014**

**Asia Pacific Federation for Non-Destructive Testing  
(APFNDT)**

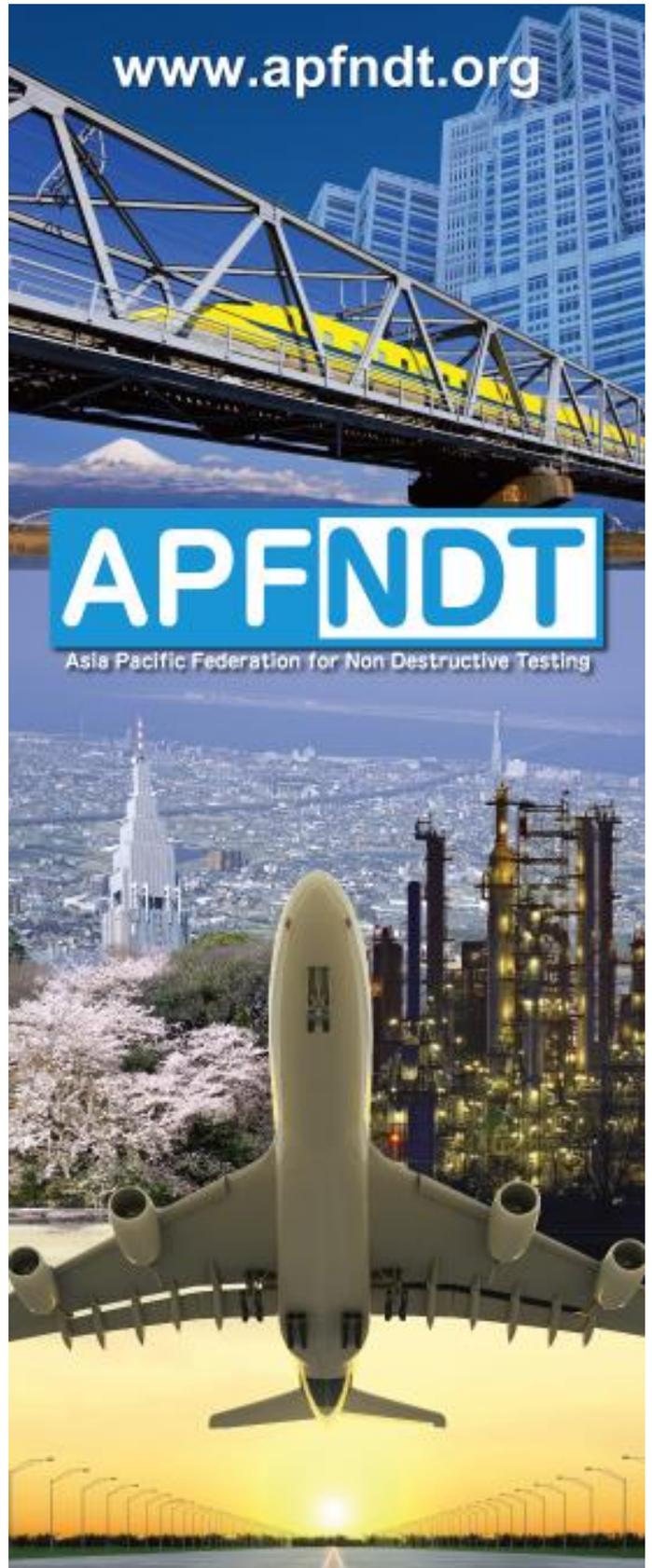


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### **Secretariat of APFNDT**

C/O The Japanese Society for Non-Destructive Inspection  
10F Tachibana Annex Building, 2-25-14 Kameido, Koto-ku,  
Tokyo, 136-0071, Japan  
Website: [www.apfndt.org](http://www.apfndt.org)  
E-mail: [secretariat@apfndt.org](mailto:secretariat@apfndt.org)



## I. Message from President



Dr. Norikazu OOKA  
President of APFNDT

The Asia Pacific Federation for Non-Destructive Testing (APFNDT) was established at Mumbai in India in 2013 to meet demands from the providers and users of NDT in the Asia Pacific Region for promoting the application of NDT and for encouraging research and development into NDT techniques. The main activities of APFNDT have therefore covered education, qualification and certification, training, standardization etc. over the whole NDI spectrum.

APFNDT also has a responsibility for the safe use of NDT and has to extend this safety responsibility in a more general sense to the public for ensuring the integrity of products, assemblies and structures, plants etc. during their service life. This responsibility will make it the goal of NDT certified personnel to strive to improve their skills and expertise through education and training.

The member countries in APFNDT are now facing important circumstances towards the ISO 9712 revised in 2012 and there may be more demands on harmonization of NDT personnel at the international level for qualification and certification based on the requirements of ISO 9712. In this regard APFNDT members should develop strong and friendly collaboration with other regions and their vitality will be requested to do so.

In addition communication occurs through the conduct of national and international conferences, symposia, seminars, workshops etc.

APFNDT will involve in national and international activities with the aim to promote and develop NDT as a key technology to be used by the industrial sector.

Lastly, I would like to work together with the members and societies in not only the Asia Pacific region but also other regions as a president of APFNDT.

All these APFNDT activities **NEED YOUR SUPPORT AND MORE INVOLVEMENT!**

## II. Final report of APCNDT 2013, Mumbai, India

The Asia Pacific Conference on Non-Destructive Testing (APCNDT) is held once in 4 years. The Japanese Society for Non-Destructive Inspection (JSNDI) had the privilege of hosting the first Conference during March, 1976. The Indian Society for Non-Destructive Testing (ISNT) was given the

responsibility of hosting the 14th Conference. Incidentally, India had the unique opportunity of hosting the 14th World Conference way back in 1996.

14th APCNDT was held at Mumbai, India between 18th and 22nd November, 2013. The Conference was inaugurated by Dr. Avinash Chander, Scientific Advisor to Ministry of Defence, Govt. of India on 18th November, 2013 which was followed by two memorial lectures.

- (1) Prof. A.K. Rao Memorial Lecture: "Probabilistic Monitoring of Fatigue Cracks in Aircraft Structures" by Prof. Jan Achenbach, Walter P. Murphy & Distinguished McCormick School Professor Emeritus
- (2) Shri V.S. Jain Memorial Lecture: "NDT in Metal Processing Industries for Critical Sectors" by Shri M. Narayana Rao, CMD, MIDHANI.

A record number of 246 papers were presented in the form of Invited and Submitted Talks. Three parallel sessions were held to accommodate large number of papers. In addition to this, in order to encourage students and upcoming Scientists, a poster session consisting of 59 papers was held simultaneously. 800 delegates representing 26 countries participated in the proceedings. 65 international companies exhibited their products in a sprawling area of 730 sq. mts. The Conference also saw the participation of leaders from American Society, Chinese Society, Korean Society, Singapore Society, Australian Society and Malaysian Society.

On 21st of November, 2013, the Asia Pacific Federation for Non Destructive Testing (APFNDT) was formed fostering a new era of co-operation between Societies in the Asia Pacific Region. At the closing ceremony, the responsibility of conducting the next Conference (15th APCNDT) was officially handed over to the Office Bearers of Singapore Society (NDTSS).

Overall, the Conference provided an excellent platform for Researchers, Students, Professionals and Manufacturers to interact and derive benefits from the deliberations.

(Reported by Mr. V. Pari, President of Indian Society for Non-destructive Testing, Board member of Asia Pacific Federation for Non-Destructive Testing)



ICNDT Chairman, Dr. Mike Farley (Second from the right)  
Chairman of APCNDT 2013, Dr. B. Venkatraman (Right)

### III. Next APCNDT, 15th Asia Pacific Conference on Non Destructive Testing 2017, Singapore

The Information of the next APCNDT 2017, Singapore will be available on the website at [www.apfndt.org](http://www.apfndt.org).

### IV. APFNDT Executive Committee Meeting, Tokyo

The first Asia Pacific Federation for Non-Destructive Testing Executive Committee (AEC) Meeting was held for 2days from 5 to 6 April, 2014 at JSNDI in Tokyo, Japan. The report of the AEC meeting and its meeting minutes will be on the website of APFNDT at [www.apfndt.org](http://www.apfndt.org).



#### APFNDT Executive Committee Member

AEC member from left to right; Mr. Sze (APCNDT President), Dr. Venkatraman (Past President), Dr. Lee (Vice President), Dr. Ooka (APFNDT President), Mr. Babu (Treasurer), Mr. Dick (General Secretary)

### V. The Secretariat of JSNDI and The Secretariat of APFNDT

The secretariat of the Japanese Society for Non-Destructive Testing (JSNDI) moved for expansion of the office on 9 June, 2014. There is the secretariat of Asia Pacific Federation for Non-Destructive Testing (APFNDT) in the same place.

#### Secretariat of JSNDI

10F Tachibana Annex Building, 2-25-14 Kameido, Koto-ku, Tokyo, 136-0071, Japan  
 Website: [www.jsndi.jp](http://www.jsndi.jp)  
 Email Address: [acd@jsndi.or.jp](mailto:acd@jsndi.or.jp)

#### Secretariat of APFNDT

c/o JSNDI  
 10F Tachibana Annex Building, 2-25-14 Kameido, Koto-ku, Tokyo, 136-0071, Japan  
 Website: [www.apfndt.org](http://www.apfndt.org)  
 Email Address: [secretariat@apfndt.org](mailto:secretariat@apfndt.org)



### VI. Previous activities from Korean Society for Nondestructive Testing (KSNT)

#### KSNT's 2014 Spring Conference

KSNT held its Spring Conference from 22-23 May at Gyeongju in Korea. Non-destructive Testing researchers, technicians, students convened to engage with each other over relevant industry topics and NDT technologies. The number of participants was over 500, including 12 exhibitors and 89 papers were presented.



#### Participants at the KSNT Spring Conference

On 22, Prof. Xavier Maldague of Laval University presented a paper entitled: 'Imaging in Infrared Thermography for NDT' as one of keynote speaker.



**Prof. Xavier Maldague (left) with Prof. Joonhyun Lee (right), President of KSNT**

The KSNT wishes to thank all the participants, speakers, volunteers and sponsors who make a significant contribution to the conference.

**67th IIW Annual Assembly & International Conference**

The IIW community convened in Seoul from 13 to 18 July. The event gathered 768 experts and delegates from all over the world. At the conference, The KSNT organized special session of NDT on 17 July. 4 papers presented and keynote speaker was Dr. Seungseok Lee, the past president of KSNT.

**International Workshop of KPCN**

In recent years, the KSNT has established Personnel Certification Body based on ISO/IEC 17024 and certification schemes based on ISO 9712 in Korea. It's called Korean Personnel Certification in NDT (KPCN). The Korean Accreditation Board is expected to accredit the KSNT as Certification Body (CB) in a few months.

As part of the efforts to review and go forward, the KSNT organized the international workshop during IIW 2014. NDTSS President, Mr. Ir. Sajeesh Kumar Babu and Chair of ICNDT WG1, Mr. Alexander Mullin were invited to speak about the answer of some issues.



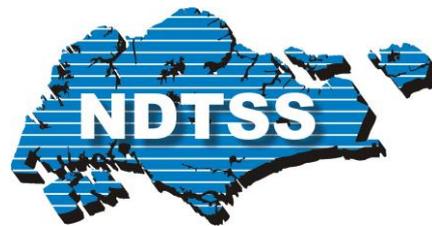
**Attendees at the meeting on 17 July, 2014**

Many issues related to ISO 9712 were discussed. These included:

- Requirement of ISO 9712
- KPCN Scheme
- Examination test-blocks
- Examination Question Bank

KSNT wishes to thank attendees for the efforts made towards strengthening personnel certification in Korea.

**VII. Previous activities from Non Destructive Testing Singapore (NDTSS)**



**NDTSS Seminar & Events**

NDTSS conduct series of evening technical talk in 2014, The events are listed with details. "Technical talks are a platform to build networking between members & to share the updated information in NDT technology" says Mr. Pugalendhi Honorary Secretary of NDTSS

NDTSS President Mr. S. K. Babu (Treasurer APFNDT) & 15APCNDT President Mr. Sze participated in the APFNDT Executive Meeting (AEC) in Tokyo hosted by JSNDI

Mr. S.K. Babu presented one day workshop for KSNT to clarify the ISO 9712 standard & its implementation in Seoul.

**The Secretariat of NDTSS**

The secretariat of the Non Destructive Testing Society (Singapore) is hosted by president's office & mostly run by volunteers. The Membership is run by the Committee chairman, Mr. Maran & the key committees. (maran@ndtss.org.sg)



(Contact Information for NDTSS)  
 Non – Destructive Testing Society (Singapore)

#02-78, 21 Woodlands Industrial Park E1,  
 Singapore

President: Mr. S.K. Babu

Vice Presidents: Mr. Madhavan, Dr. B. Muthuramalingam

Hon. Secretary: Mr. Pugalendhi

Hon. Treasurer: Mr. Dickson Tan

Website: [www.ndtss.org.sg](http://www.ndtss.org.sg)

Email Address: [ndtss@live.com.sg](mailto:ndtss@live.com.sg)

**NDTSS is a full member of APFNDT & ICNDT**

### Preparation of 15APCNDT

The final preparation of awarding the conference & exhibition organizer contract is on the way, the organizing committee is formed & lead by one of the society vice president Mr. Madhavan. The Venue will be finalized by October 2014. The website would be available for registration & call for abstract will be made by October 2014 in Prague.

It is expected to have 800 participants in Singapore, the conference would be held in November 2017. The dates & first announcement would be issued shortly & NDTSS would exhibit in the 11<sup>th</sup> ECNDT Prague.

### MOU with Regional Institution



The Singapore Institute of Technology (SIT) signed a Memorandum of Understanding (MOU) with Land Transport Authority of Singapore (LTA), SMRT Corporation Ltd (SMRT), SBS Transit Ltd (SBS Transit), and Non-Destructive Testing Society of Singapore (NDTSS). The MOU seals a landmark partnership between SIT, LTA, SMRT, SBS Transit, and NDTSS to jointly develop a high quality and industry-relevant curriculum for SIT's new Sustainable Infrastructure Engineering (SIE) programme [Master of Engineering Technology & Bachelor of Engineering with Honours in Sustainable Infrastructure Engineering (Land)] to be offered from AY2014 onwards. The unique feature of the SIE degree programme is the opportunity for students to opt for Non-Destructive Testing (NDT) certification (ISO 9712, in collaboration with the NDTSS) to enhance their industry-readiness prior to graduation. This is a significant departure from the industry norm where Engineering students typically attain NDT certification only after they begin

employment, and are often only able to do so in-house within their companies.

### Technical Seminars hosted by NDTSS

1. **Technical Seminar on Positive Material Identification (PMI) using X-ray Fluorescent (XRF) Analyzers and Optical Emission Spectrometry (OES) - Speakers:** Mr.Esko Kantonen – XRF; Mr.Lee Yong Teck Optical Emission Spectrometer (OES)  
**DATE: Thursday 27<sup>th</sup> March 2014**



2. **Technical Seminar on Advanced Phased Array (PA) Inspection of Complex Geometry - Speaker:** Dr. Garri Passi, Chief Scientist, Sonotron NDT  
**DATE: Thursday 24<sup>th</sup> April 2014**



3. **Technical Seminar on Remote Visual Inspection - Speaker:** Mr. Kersten Zaar , CEO of viZaar Industrial Imaging Ag., Germany.  
**DATE: Tuesday, 29 April 2014**



4. **Technical Seminar on Remote Visual Inspection**  
 - **Speaker:** Mr. Jeffrey Koh, Assistant Applications Manager, Scientific Solutions Business Division, Industrial Sales.

**DATE: Wednesday, 28 May 2014**



5. **Technical Seminar on Digital Radiographic Imaging Plate Physical Properties** - Present by Mr Brian S White (Carestream NDT)

**DATE: Friday, 06 June 2014**



6. **Technical Seminar on Source Retrieval / Projector Inspection and Maintenance lectures** - Present by Mr. Robert L. Kelly of QSA Global Inc.

**DATE: Friday, 13 June 2014**



### VIII. Conference Schedule of Asia Pacific Region

#### Australian Institute for Non Destructive Testing Conference & Trade Exhibition

23-26 November 2014, Brisbane, Queensland  
 Website: [www.aindt.com.au/](http://www.aindt.com.au/)



#### Korean Society for Nondestructive Testing Fall Conference

22-24 October 2014, Millennium Hilton Hotel, Seoul, Korea  
 Contact: [ksnt@ksnt.or.kr](mailto:ksnt@ksnt.or.kr)

The Korean Society for NDT is proud to announce its biennial conference and exhibition.

The conference will include:

- KPCN International Forum
- NDT training, qualification and certification
- New, advanced NDT technology
- Workshop on Current and Future of Nonlinear Ultrasonic Techniques for NDE