



The World Organisation for NDT

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CHAIRMAN'S MESSAGE

ICNDT Guides provide valuable support

The news is full of reports of civil wars, fleeing refugees, mass shootings and natural disasters. We may feel there is little we can do directly to help change things for the better. In contrast, in our chosen field – NDT in its broadest sense, encompassing condition monitoring and health monitoring – we CAN make a difference. Yes, we can!

Through the NDT societies, regional groups and ICNDT, there are routes to influence the regulators, user companies, NDT providers, equipment suppliers, researchers, students, trainees and the public to make full use of NDT and to apply it properly. Help is needed for those in countries where this infrastructure does not yet exist to become organised, to recognise the importance of NDT and to set up the systems and controls to achieve quality in NDT.

To this end, ICNDT has produced various guides:

The 2015 ICNDT Guide on Education and Training in NDT, ICNDT Guide to Qualification and Certification of Personnel for NDT and, published in August this year, *The 2015 ICNDT Guide on Research and Development in NDT* (guides can be accessed on the ICNDT website: www.icndt.org). The last-named guide is the response to a challenge from

former ICNDT Chairman Professor Baldev Raj, who is President Elect of the International Council of Academies of Engineering and Technological Sciences (CAETS). The content is the collective result of a workshop held at the European NDT Conference in Prague last autumn, which had contributions from eight world experts from six different countries. The report demonstrates the importance of NDT, including some relatively new technologies that have been developed as a result of academic and industrial research in recent years, and promotes the importance of continued research in finding new methods and also better understanding the capabilities and limitations of existing methods. ICNDT is interested to hear your comments, in particular as to whether or not a glossy version of the guide should be printed, and encourages members to make use of the report.

I have attended three conferences since the last Chairman's Message and had to decline many other invitations. I am very grateful to BINDT for funding my travel expenses.



Professor Baldev Raj, CAETS President Elect, was the catalyst for ICNDT's research and development guide

In August, I attended the VI Pan-American Conference on NDT (VI COPAEND) in Cartagena, Colombia. Congratulations to President Eduardo Pulido, Executive Officer Jorge Contreras and the team for organising an excellent conference and exhibition with a strong participation of younger people. I was pleased to participate in the meeting of the Pan-American Committee and I extend my congratulations to Alfonso R Garcia Cueto



Continued on page two

New research register

ICNDT is establishing on its website (www.icndt.org) a new register of institutions and other organisations that carry out research into NDT and associated disciplines.

The register may be found under the 'Resources' tab on the home page.

Authorised representatives of organisations involved in research activities are invited to add their details free-of-charge, at: www.icndt.org/resources/registerentry.aspx

The register is compiled from information supplied by research organisations. Whilst every effort is made to ensure that the details are correct and as up-to-date as possible, ICNDT cannot accept any responsibility for errors or omissions.

Feedback requested

The Australian Institute for Non-Destructive Testing (AINDT) has recently launched its new website and would find it invaluable if it could garner feedback from its international colleagues on the ability of the website to operate across a wide spectrum of electronic devices.

The new website is AINDT's portal with respect to the latest information on what is happening in the world of NDT, both in Australia and overseas. The website also provides links that are of service to members of AINDT and help to promote awareness of the benefits of NDT to both the community and other related industry groups.

The website, therefore, has been upgraded significantly to assist AINDT in communicating with its membership and maintaining its focus on providing a better service to its members.

The new website can be found at: www.aindt.co.au



ICNDT Journal



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Your new ICNDT Journal is available for downloading from www.icndt.org

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ICNDT Member Societies are authorised to distribute this newsletter and/or its contents, however permission should be obtained for reproduction of individual articles and extracts.

Material for the next ICNDT Journal should be sent to Sharon Bond, email: s.bond@cinde.ca

19th WCNDT – Visitor Day at the International Congress Centre in Munich

The German Society for Non-Destructive Testing (DGZfP) is organising the 19th World Conference on NDT (19th WCNDT), to take place in Munich from 13-17 June 2016. As a service offer for the companies that have booked a booth at the event, DGZfP invited them to attend a Visitor Day at the International Congress Centre Munich (ICM), the location of the 19th WCNDT.

Dr Matthias Purschke, Managing Director of DGZfP, opened the Visitor Day with a salutation. The attendees included representatives from 15 of the exhibiting companies as well as organisers from ICM, DGZfP and Meplan, the company building the exhibition booths. After initial introductions, the exhibitors embarked upon a tour through the exhibition halls. Here,

they were given a comprehensive view of the location of their individual exhibition booths and the surroundings. Any questions in this regard were settled by ICM staff, Meplan staff or the DGZfP organisation team. Overall, the exhibitors were very impressed by the exhibition space and infrastructure.

Exhibition space on both levels of the International Congress Centre Munich is already sold out. Companies that have since expressed an interest in renting a booth at the 19th WCNDT have been placed on a waiting list should space become available.

DGZfP would like to thank all parties involved in the event for the smooth progress thus far.

DGZfP looks forward to meeting you next year in Munich.

Samantha Schraner, DGZfP

Chairman's message continued from front page

and IMENDE for winning the honour of organising the next Pan-American Conference in Mexico in 2019.

ICNDT was also pleased to be able to hold a meeting of its Policy and General Purposes Committee during the Pan-American Conference. The main business of the committee was to discuss the proposed reorganisation plan for ICNDT and the regions in order to improve efficiency and coordination. Good progress was made and the creation of a task force was agreed, which will further develop the proposal in time for agreement at the ICNDT General Assembly in Munich.

In September, as well as attending the BINDT Conference at Telford (the site of the world's first iron bridge), I attended the IAEA Scientific Forum: Atoms in Industry – Radiation Technology for Development, which promoted the peaceful uses of radiation, including NDT, to a very general audience. I participated in a panel discussion on training and certification. There was a focus on the difficulties of introducing training and certification in developing countries and I had discussions with representatives from Kenya, Uganda, Tanzania, Ethiopia, Indonesia and Mauritius. Our discussions centred on the subject of how to set up an NDT infrastructure (society, training and certification) for the first time. The IAEA has of course provided support for training and the establishment of NDT centres in developing countries. The idea emerged of a model in which a country would set up a local NDT committee, join ICNDT (as an Associate Member) and then partner with an established overseas NDT society and personnel certification body (PCB) (rather than going through the long, slow and difficult process of trying to set up its own society and PCB from scratch and then trying to get customer recognition). We will be discussing this further within ICNDT and the regional groups. In the *ICNDT Guide to Qualification and Certification of Personnel for NDT*, ICNDT already provides guidance on how such a partnership might work.

Lastly, I have just returned from the ASNT Annual Conference in Salt Lake City and the meeting of one of the working groups – WG1: Qualification and Certification. It was very timely that WG1 met at the ASNT Conference, given the announcement by ASNT that it is to develop a certification scheme to be fully compliant with ISO 9712 2012.

*Dr J M Farley,
Chairman, ICNDT*

The topics

Topics will include, but not be restricted to, the following:

- Semi-finished products;
- Nano-technologies and high-resolution NDT;
- Modelling and data processing;
- Cultural heritage;
- Traffic engineering;
- Standards and training of NDT personnel;
- Monitoring;
- Reliability and statistical procedures;
- Structural engineering;
- Medical products;
- Public security and humanitarian safety;
- Energy generation;
- Materials characterisation.

19th WCNDT 2016



World Conference on Non-Destructive Testing

June 13 – 17 in **Munich** Germany



GERMAN
SOCIETY FOR
NON-DESTRUCTIVE
TESTING

AFRICA

The SAINT Professional Body for NDT

The South African Institute for Non-destructive Testing (SAINT) has many strengths, one of which is looking at the needs of individuals within the non-destructive testing industry. The SAINT Professional Body for NDT was created in response to requests from individual members of SAINT to raise the level of professionalism in the NDT industry.

One of the most important issues that emerged from members was the need to address the professional status of NDT technicians. Therefore, on 11 April 2013, SAINT's Executive Council unanimously decided to pursue a process through the South African Qualification Authority (SAQA) to register a professional body for NDT. The SAINT Professional Body for NDT is a sub-group of SAINT operating with its own constitution, including directors, a board and members.

The main objectives of the SAINT Professional Body for NDT include reconciling the different needs of members and setting both a direction and priorities for the organisation and its membership, leading to professionalism within the industry.

Felicity Kent, a specialist in the field of professional body establishment and registration having assisted with the establishment of the Institute for Working at Heights, was appointed Manager of the SAINT Professional Body for NDT in August 2013. Felicity and a steering committee were tasked by SAINT's Executive Council to lay the groundwork for establishing and registering a professional body for NDT. This committee was established in September 2013 under the Chairmanship of Harold Jansen (Gauteng) and included the following prominent NDT personalities: Robin Marshall (Secretary), Simon Wilding (Gauteng), Shaun Meerholz, Ben Buys (Cape Town), Raj Kistiah (Durban) and Marius Purcell (Mpumalanga).

Road shows were held in January 2014 and formed part of the SAQA registration process since they served to inform industry of the developments related to NDT personnel gaining professional designations within the South African qualification framework. The road shows were used as forums to agree on the designations to be included in the application to SAQA. The designations Operator (Level 1) and Technician (Level 2) were unanimously agreed at these well-publicised meetings with industry, including the understanding that the designation Technologist (Level 3) would be addressed when an underpinning qualification was available.

Following application in 2014, the SAINT Professional Body for NDT was formally recognised by SAQA in September 2015. Government acknowledgement of the importance of NDT will now allow participation in the national and regional conversation. The SAINT Professional Body for NDT is accredited by SAQA to issue designations to NDT Operators (Level 1) and Technicians (Level 2). Technologist (Level 3) designation will be added to the scope during 2016.

Membership of the SAINT Professional Body for NDT is voluntary and adheres to principles of fairness and due process and endorses the principle of equal opportunity. It shall not discriminate or deny opportunity to anyone on the grounds of gender, age, religion, national or ethnic origin, marital status, sexual orientation or disability. Prospective members will be required to apply for membership by completing the appropriate membership application form and paying the required fee. A board member or recognised NDT professional is required to present the prospective member to the board. An applicant is expected to subscribe to the Professional Body Constitution and to its Code of Conduct upon acceptance of membership.

Membership of the SAINT Professional Body for NDT will comprise the following categories:

- **Affiliate Member**

A non-designated person who has an interest in the South African NDT industry or is engaged in NDT activities. Must possess knowledge and/or practical experience that qualifies the candidate to cooperate with skills development providers in the advancement of their knowledge and practical experience, allowing him/her through a progression pathway to achieve Individual Member status.

- **Academic Member**

A non-designated person with applicable tertiary degree, either

in applied sciences or engineering, and applicable NDT (Level 2 or 3) qualification/s who is engaged in NDT activities, such as research, design, manufacture, implementation and evaluation of appropriate methods, techniques or systems related to inspection, qualification, certification and engineering of NDT.

- **Designated Member**

A professionally-designated person in terms of the NQF Act (Act 67 of 2008).

- **Corporate Member**

Companies and organisations authorised/recognised by the SAINT Professional Body for NDT to provide training, examination/assessment and certification to NDT personnel in accordance with ISO 9712. This includes, but is not restricted to, the following:

- National Certification and Qualification Body.
- Authorised Training Body (third-party qualification scheme in accordance with ISO 9712).

- **Honorary Member**

Individuals, organisations or groups who have made a significant contribution to the NDT industry within South Africa over an extended period of time.

During an interim phase ending in December 2017, provision will be made for inclusion of a Responsible Level 3 member to ensure continuity of the important services these members provide to industry. These members will become the designated Technologists following the addition of this designation through SAQA.

- **Responsible Level 3 Member**

This includes, but is not restricted to, the following:

- Responsible NDT Level 3 (first- and second-party authorisation and end-user assessment in accordance with company written practice).

During this period of application, it was decided that a subject matter NDT expert was needed and Garth Appel was appointed to manage the SAINT Professional Body for NDT and compile a Quality Management System (QMS). The QMS will be compliant with ISO 9001 as the SAINT Professional Body for NDT intends to be accredited to ISO 9001 in the future.

SAINT believes that the enhancement of the status of the professional body, with the emphasis that has been placed by SAQA on the importance of ethics, recognition of prior learning and continuing professional development, is an extremely important development, leading to ever increasing standards of professionalism to the benefit of the NDT industry and society as a whole. In this regard, the SAINT Professional Body for NDT projects to formulate minimum standards, which will certainly contribute significantly to the standard of professional work carried out in the NDT industry.

The SAINT Professional Body for NDT liaises with the Manufacturing, Engineering and Related Services Sector Education and Training Authority (MerSETA) by ensuring it has representation on all relevant committees and structures of the SETA. MerSETA, with assistance from the NDT industry, has started the development of occupational qualifications (NDT Technician) for the NDT industry. This qualification is based around International NDT standard ISO 9712 to ensure that it will be recognised in the international market. The SAINT Professional Body for NDT will ensure that the industry training, assessment/examination and certification process is adhered to and meets international and national standards. These qualifications will eventually form the basic requirement for the application of Professional Designations.

The SAINT Professional Body for NDT is a voluntary organisation working to a quality manual modelled around ISO 9001 to assure consistency with the intention of achieving full ISO 9001 compliance and accreditation. Industries (end users) can elect to make professional body designations a requirement for NDT practitioners working on their plant. Members are also required to adhere to a Code of Conduct.

PAN-AMERICA

News from the American Society for NDT

2016-2017 ASNT Board of Directors announced

On 25 August 2015, membership ballots for the election of the 2016 officers and directors at large were tallied. The following individuals were elected to serve on the ASNT Board of Directors:

- **Chair of the Board:** L Terry Clausing
- **President:** Kevin D Smith
- **Vice President:** David Bajula
- **Secretary:** David Mandina
- **Director at Large:** Mohammad A Abufour
- **Director at Large:** B Boro Djordjevic
- **Director at Large:** Michael McGloin

These new board members have now assumed their offices following ratification of the election results at the ASNT Annual Business meeting at the 2015 ASNT Annual Conference. ASNT wishes to thank all members who voted in this year's election.

New strategic plan unveiled

ASNT has unveiled 'A Global Vision', its bold, new strategic plan that sets goals and action items for the society's coming years.

ASNT created the plan to provide direction for the society as a world leader in NDT industry knowledge and certification, providing services worldwide for technicians, engineers, researchers and students, as well as the general public and other public and private organisations.

The comprehensive plan, approved by the ASNT Board of Directors on 8 July 2015, lays out a strategic future in six goals:

- Expand the influence of ASNT internationally by creating awareness of the value that ASNT brings to the NDT profession.
- Create a growth strategy for ASNT membership.
- Develop and integrate a pathway for meaningful volunteer engagement and for members to become leaders in ASNT.
- Lead the world in harmonisation of NDT certification.

- Be the worldwide leader in the development and delivery of NDT information and educational resources for the NDT industry.
- Expand ASNT support of NDT research.

"This is an important moment for this society," said ASNT Executive Director Dr Arny Bereson. "At a time when our mission of creating a safer world is more important than ever, we have a concrete plan that will serve as a guiding light to strengthening the core principles of our society and creating a lasting future for the non-destructive testing profession."

This strategic plan was developed cooperatively between the ASNT Board of Directors and senior staff, alongside input from countless other members and ASNT employees. Additionally, there will be a Town Hall Forum at the 2015 ASNT Annual Conference to accept feedback and exchange dialogue about the new plan.

'A Global Vision' can be read online or downloaded at: www.asnt.org/strategicplan

ASNT establishes new region to serve Canada

ASNT has established a new region, Region 20, to serve members and the non-destructive testing communities in Canada.

"The creation of Region 20 is a positive step forward in providing greater support to ASNT members in Canada," said Heather Cowles, ASNT Senior Manager of Member Relations and Services. "Organising and developing new regions internationally is a key priority to serve our members and will continue in the coming years."

Cindy Finley, a long-time ASNT member and Ontario resident, has been named as the Regional Director of Region 20. Each chartered ASNT section is geographically assigned to a region and each region has a Regional Director.

Responsibilities of a Regional Director are to provide a channel of communication for prospective section leaders in potential new sections, monitor the status of active sections' activities, guide section leaders in section operations and management and represent sections in Section Operations Council matters. Regional Directors also coordinate and host section leadership training periodically.

A complete list of regions, sections and Regional Directors can be found online at: www.asnt.org/regionaldirectors

Success for topical conferences and events**Digital Imaging XVIII**

Held 27-29 July 2015 at the Crowne Plaza Hotel at the Crossings, Warwick, Rhode Island, the Digital Imaging Conference is ASNT's highest-rated conference for suppliers and users of digital and radiographic imaging. Now in its 18th year, the event emphasises the important role of, and challenges to, non-destructive testing for new construction and in-service inspection. More than 200 attendees from 13 countries saw new radiography techniques and technology first-hand and worked alongside top professionals in the radiographic testing industry.

This year's programme was coordinated by Topical Chair Robert Feole, Feole Technologies, Inc, and Technical Programme Chair Fred Morro, a consultant. Over three days, 21 presentations were given on a variety of digital imaging topics, including linear accelerators, neutron imaging, computed tomography accuracy, converting from conventional to digital technology, and integrated X-ray sources, as well as standards and formats used in the industry. The technical programme ended with a one-hour panel discussion that addressed questions from attendees.

More than 30 companies were represented at the exhibition, which opened on Monday evening with a reception and continued on Tuesday through to lunch. Thanks go to JG&A Metrology Center, QSA Global and Teledyne Dalsa for sponsoring the event.

Ultrasonics for Nondestructive Testing 2015

Following Digital Imaging XVIII, the Ultrasonics for Nondestructive Testing Conference was held 29-31 July at the Crowne Plaza Hotel at the Crossings, Warwick, Rhode Island. This event is ASNT's first topical

ASNT 2016 Conference Schedule**25th ASNT Research Symposium**

11-14 April 2016

Astor Crowne Plaza, New Orleans, LA

Nondestructive Evaluation of Aerospace Materials & Structures IV

7-8 June 2016

Crowne Plaza St Louis Airport, St Louis, MO

Digital Imaging XIX

25-26 July 2016

Foxwoods Resort and Casino, Mashantucket, CT

Ultrasonic for Nondestructive Testing

27-29 July 2016

Foxwoods Resort and Casino, Mashantucket, CT

NDE/NDT for Highway and Bridges: Structural Materials Technology

29 August-1 September 2016

DoubleTree by Hilton Hotel Portland, Portland, OR

75th ASNT Annual Conference

24-27 October 2016

Long Beach Convention Center, Long Beach, CA

conference dedicated to phased array ultrasonic testing (UT), time-of-flight diffraction (TOFD) and conventional UT techniques. Hosting this event back-to-back with Digital Imaging XVIII allowed attendees the opportunity to attend two focused topical events in one trip.

Topical Chair Robert Feole and Technical Programme Chairs Ed Cabral, Sonatest Ltd, and Lawrence Mullins, Zetec, Inc, put together 24 presentations for this event. Topics included: inspection of composites, benefits of UT over radiographic testing, corrosion mapping, characterisation of various discontinuities, phased array UT at high temperatures, time-of-flight diffraction, training, standards and qualifications. Several industries were covered, including oil & gas pipelines, steel manufacturing and aerospace.

Between sessions, more than 120 attendees from ten countries networked with 14 exhibitors, including during the evening reception on the Wednesday and through lunch on Thursday. ASNT anticipates further growth for this topical conference on an important and widely-used non-destructive testing method.



Attendees at Ultrasonics for Nondestructive Testing 2015

2015 Regional Planning Meeting

On 14-15 August 2015, 12 section leaders and one from ASNT International Service Center gathered in League City, Texas, for a two-day Regional Planning Meeting and Board Training. Leaders were from the Acadiana (Region 8) and Greater Houston (Region 10) sections.

Upon arrival at the South Shore Harbour Resort on the Friday evening, attendees joined together for a welcome reception where they had a chance to formally meet and network.

On the Saturday, attendees gathered early for an all-day training session. Region 10 Director David Bajula kicked things off by asking all attendees to introduce themselves and share what they, as a seasoned or perhaps a new leader, wanted to get out of the planning meeting. After the welcome and introductions Heather Cowles, David Bajula and Jerry Fulin led discussions on reporting responsibilities, officer and director roles and duties, meeting planning and section communications.

Once all agenda items had been addressed, the networking, exchanging of business cards and discussions about local industry began and continued into the late afternoon.

ASNT offering Beta exams for IRBD

ASNT, in cooperation with the Residential Energy Services Network (RESNET), is developing an NDT Level II certification in Infrared Thermography for Building Diagnostics (IRBD) and will be offering a beta examination to all qualified applicants prior to the 2016 RESNET Building Diagnostics Conference in Scottsdale, Arizona, on 28 February 2016.

As an internationally-recognised leader in non-destructive testing standardisation and certification, ASNT is actively engaged in meeting the evolving needs of industry professionals. Evaluating energy efficiency with infrared thermography is becoming increasingly vital in optimising cost savings for homeowners and commercial builders. The validation of this beta exam will establish a universally-regarded benchmark for everyone performing or purchasing this service.

“ASNT’s goal is to make the world a safer place and that starts with qualified practitioners who can be trusted to perform

quality inspections,” explained ASNT Executive Director Dr Arny Bereson. “As such, this beta exam, built through our partnership with RESNET, is the first step to providing an avenue for those conducting building diagnostics using infrared thermography to earn a credible certification from a respected program.”

The ASNT NDT Level II certification program was developed to provide standardised Level II written examinations that employers may use to satisfy the general and specific examination guidelines of paragraphs 8.3 and 8.4, respectively, of Recommended Practice No SNT-TC-1A.

If examinees are successful in passing both the general and the specific validated exams, they will be given the opportunity to obtain an ASNT NDT Level II certification in the method of infrared thermography for building diagnostics.

More details about this beta exam, as well as an application form, can be found at: www.asnt.org/betaexams

Computerised IRRSP exams available

ASNT now offers its Industrial Radiography Radiation Safety Personnel (IRRSP) exams by computer delivery. One key advantage of the computerised exam is that the applicant will receive the results immediately upon completing the exam.

These computerised exams are only offered only at USA Authorized Exam Centers (AEC). These AECs are listed with their locations and contact information on ASNT’s website at: www.asnt.org/exampartners

For questions concerning the computerised exams, please telephone ASNT at: +1 800 222 2768 ext 237 and ask for Certification Services.

New social media channels available

ASNT has opened two new social media accounts on Facebook and Instagram. Those interested can follow ASNT at www.facebook.com/asntinfo and www.instagram.com/asntinfo. These new accounts complement ASNT’s existing presence on LinkedIn and Twitter.

New staff hired at International Service Center

ASNT is proud to announce the hiring of three new employees at its International Service Center in Columbus, Ohio. These new staff will work to fulfil efforts to build awareness of NDT among the general public, as well as provide development and engagement opportunities for ASNT members worldwide.

The new employees are: Dana Sims, Public Relations & Brand Manager, Jessica VanDervort, Membership Program Coordinator and Debbie Segor, ASNT Sections Coordinator.

ASNT publishes two new instructional books

ASNT has released two new publications in its Personnel Training Publications (PTP) series, both of which include a classroom training book, lecture/student guides and instructor PowerPoint presentation:

- **Magnetic Particle (MT) Student-Instructor Package, 2nd Edition**
Contains up-to-date information on many aspects of magnetic particle testing and is organised to follow the body of knowledge outlined in CP-105 (2011) for Levels I and II. Content includes theories of magnetism, demagnetisation techniques, equipment selection, ferromagnetic particles and application, discontinuities detectable with MT, and magnetisation methods.
- **Ultrasonic (UT) Student-Instructor Package, 2nd Edition**
This new edition contains new chapters on phased array, time-of-flight diffraction and the guided wave method. It follows the body of knowledge outlined in CP-105 (2011). Also included is up-to-date information on ultrasonic principles, equipment, specialised techniques and test applications.

ASNT’s Personnel Training Publications (PTP) provide a foundation for an NDT course that follows the guidelines in SNT-TC-1A. Course materials facilitate in-depth review of Level I and II concepts and help students prepare for examinations in a method. Discover why these should be key in your NDT training program for Level I and Level II.

These titles can be found online at: www.asnt.org/shopasnt



The 2015 ICNDT Guide on Research and Development in NDT

Non-destructive testing:

why it is important and why more research
and development should be supported

Visit: www.icndt.org

NDT in Canada 2015 Conference – the best out west!

The Canadian Institute for Non-Destructive Evaluation (CINDE) was delighted to host the NDT in Canada 2015 Conference in Edmonton, Alberta, which took place from 15-17 June 2015.

This is the largest event in the annual conference series, with over 250 attendees, 36 exhibitors (all sponsorship opportunities sold out) and over 45 presentations submitted. A special thank you goes to the many members of the 2015 Organising Committee for all of their hard work in making this conference such a success: Dr John Baron (Folville Consulting), Larry Cote (CINDE), Marc Genest (National Research Council of Canada), Professor Thomas W Krause (Royal Military College of Canada), Professor Xavier Maldague (Universite Laval), Dr Catalin Mandache (Florida Institute of Technology), Brian Paradis (QCCC), Professor Anthony N Sinclair (University of Toronto) and Dr Eric Sjerve (IRISNDT).

The event kicked off with the Mix 'n' Mingle Reception, where conference participants and exhibitors connected over drinks and delectable food in the exhibition area. After hours of connecting with colleagues and enjoying the high-quality conference experience that CINDE is well known for, attendees explored the venue for the rest of the evening.

The first day of technical presentations began with keynote speaker Doug Ochitwa, Senior Technical Specialist, Pipeline Integrity, from the National Energy Board (NEB). His presentation, 'NDE: an integral part of pipeline 'integrity'', discussed the role of the NEB and how it fits into the inspection equation. Doug noted that 'NDE plays a vital role in maintaining safety and building trust in pipelines and the products that they transport'. Once the keynote ended, attendees toured the exhibition area and began the technical programme shortly afterwards.

The first day saw 23 technical presentations on a variety of topics, ranging from advances in inspection technology to general NDT. A special session was organised to help promote dialogue between NDT researchers within Canada and industry partners. This session ended with a panel discussion on current research and meaningful conversation between industry and academics to help steer the interest of industry in academic research. CINDE is committed to assisting the development and advancement of NDT research in Canada and thanks Dr Andreas Mandelis from the University of Toronto for his assistance in facilitating the session.

The night ended with the Conference Banquet and CINDE Awards. Industry professionals were honoured for their contributions while enjoying decadent dishes and wonderful wines. Firstly, the WE Havercroft award was presented. Established in 1977, this award is named after William E Havercroft who was widely recognised as a pioneer in the field of NDT in Canada. It is awarded to a member of CINDE who has made an outstanding contribution towards NDT in Canada. Contributions may be in any area including technical, educational or managerial capacities. Recipients receive lifetime membership with CINDE. This year's award recipient was Dr Michael Moles.

Unfortunately, Dr Moles passed away in 2014 and so his award was presented posthumously. His career and accomplishments were highlighted to a standing ovation from those in attendance. The award was accepted on behalf of the Moles family by long-time colleague Dr Anthony Sinclair.

John de Luca was the second award recipient of the night, receiving the CINDE Fellow Award. Established in 1983, this award is given to a CINDE member who has made continuous and significant contributions to the advancement of NDT/NDE in the scientific, technical, educational, managerial or related areas. Nominees must have at least ten years' membership with CINDE, with five continuous years' membership immediately prior to the

nomination. Larry Cote lauded John's passion and dedication to teaching NDT for over 30 years and the consistently high praise he has received from his students.

Finally, a special presentation was made to Cindy R Finley, a long-time supporter, volunteer and board member of CSNDT and CINDE, to acknowledge her long-term dedication and service to NDT.



Cindy R Finley, a long-time supporter, volunteer and board member of CSNDT and CINDE, was commended for her long-term dedication and service to NDT

*Photo courtesy Stephanie Cragg
Corporate Photography, Edmonton, Alberta*

The night of great networking, conversation and friendship ended on a very high note and attendees left the social event with a full day of excellent programming to look forward to.

The second day of the technical programme began with Ray Philipenko, Senior Manager – Leak Detection at Enbridge Pipelines Inc, providing an interesting keynote, entitled: 'Safe and reliable systems'. He discussed the current activities that Enbridge Pipelines is currently deploying to ensure pipeline integrity and environmental integrity, as well as the many safety, environmental, governmental and social challenges posed. He also described an industry challenge test for cable-based leak detection systems. The Testing External Cable Leak Detection Sensors (ELDER) programme simulates a leak scenario at full-scale, the same as a real leak event, which technology suppliers can try to detect. It was discussed as a major tool on the Enbridge Pipelines' path to zero incidents.

The attendees were then treated to a full day of technical programming, ranging from training and certification to new NDT technologies.

As the conference came to a close, it was time to choose the winner of the grand prize draw. In order to qualify, attendees had to visit all exhibitors, receive a sticker from them and submit their exhibitor passport at the registration desk. The winner was then selected at random from all of the completed passports in the prize box. Terry Clausing, President of ASNT, was the appreciative winner of the prize – an Apple iPad Air!

As exhibitors and attendees left the conference, there was buzz about where the next event would be held after such an excellent show. Whispers of the next conference city were heard, including Montreal, Edmonton, Toronto and Hamilton... who knows?! The next location will be announced when details are finalised, so keep your eyes on CINDE news.

The Brazilian Association for NDT and Inspection hosts the first NDT and Inspection Olympics

A multidisciplinary team within the Brazilian Association for NDT and Inspection (ABENDI) was responsible for the creation and realisation of the first NDT and Inspection Olympics in Brazil.



The competition was open to ultrasound N2 professionals from around the country

Addressed to ultrasound N2 professionals from around the country, the competition was held from 19-21 August in São Paulo and consisted of three award categories: gold, silver and bronze. There was a pre-selection and 20 finalists were invited to participate in the eliminatory round where they were divided into six groups occupying three different countertops.

The problems set by the organising committee were as follows: detection and sizing of discontinuities; sizing by AVG/DGS

technique; and determining the length and height (the technique could be defined by the finalist).

More than 100 professionals fought for the title of the country's Best Inspector, which offered prizes equivalent to R\$ 40,000 (approximately US \$20,000) for first place.

The fourth countertop contained an optional challenge, which involved phased array and the calibration and detection of discontinuities close to the reinforcement.

The winners of the event, which was sponsored by GE, were as follows: Ivanderley Thomaz de Aquino (first place), Marcelo Afonso Rodrigues (second place) and Roberson Tavitian Person (third place).



The first NDT and Inspection Olympics organised by ABENDI was well attended

Organised by the Asociación Argentina Ensayos No Destructivos y Estructurales (AAENDE)

COMADEM 2015 & X CORENDE

1-4 December 2015

CNEA – Constituent Atomic Center (CAC), Buenos Aires, Argentina

COMADEM 2015

The 28th International Conference on Management of Engineering Monitoring and Diagnostic Terms/International Congress of Condition Monitoring and Diagnostic Engineering Management (COMADEM 2015) provides the opportunity to contact/approach technologies that continuously improve and enhance the quality, reliability, safety, maintainability and performance of assets (both physical and human) as broadly as possible and achieve the maximum benefits with minimal risk.

X CORENDE

The 10th Regional Congress of Structural and Non-Destructive Testing (X CORENDE) is intended as a discussion forum where ideas are exchanged and discussed regarding improvements in the use of technology in the evaluation of components, systems and structures, from research to production and marketing. Topics include: non-destructive testing, personnel certification, standards, welding inspection, and maintenance and structural testing.

www.aaende.org.ar/Comadem2015Corende/

News from The Colombian Association of Welding and NDT

PANNDT 2015

The Colombian Association of Welding and Nondestructive Testing (ACOSEND) hosted a very successful VI Pan-American Conference for Nondestructive Testing (PANNDT 2015) in Cartagena, Colombia, from 12-14 August 2015. The success of this conference can be attributed not only to the very dedicated organising committee but also to the attendees, exhibitors, sponsors and presenters.

Among the 400 attendees, 20 countries were represented including: Chile, Argentina, Paraguay, Venezuela, Brazil, Mexico, Costa Rica, USA, Canada, Spain, France, Germany, Belgium, South Korea, China, Israel, Singapore, India and Panama, showing the international support for the Pan-American Region and the VI Pan-American Conference for Nondestructive Testing.



Representatives from 20 countries attended the VI Pan-American Conference for Nondestructive Testing

Over the course of the three-day conference, nine short courses were offered and 44 presentations were held. 64 exhibitors were on guard and ready to share their knowledge.



Some representatives of societies in the Pan-American Regional Group

Along with the conference, the ICNDT PGP Committee meeting was held on 11 August and a meeting of the Pan-American Committee also took place.

The Pan-American Committee is working on the formalities of becoming a legal organisation. The Committee also decided on the venue for the VII Pan-American Conference on NDT, which will be held in 2019.



Numerous committees held their meetings alongside the conference, including the Pan-American Regional Group of ICNDT

ACOSEND Interns Programme

The Colombian Association of Welding and Nondestructive Testing (ACOSEND) has come up with a unique approach for the promotion of welding and non-destructive testing.

In 2011, ACOSEND established an intern programme to provide young professional engineers with an incentive to focus their skills and knowledge in the direction of welding and non-destructive testing (NDT). Since the initiation of the programme, ACOSEND has received eight interns from various colleges that have represented an active role in the development of the Colombian association.

During the four years since inception, the interns have played an active role in not only the development of, but also the substantial growth of, the Colombian Association of Welding and NDT. This includes improving the expertise in new technologies and improving the performance of ACOSEND's activities.

Interns have now become a very important addition to the development of ACOSEND in different areas. Some of the projects they have worked on include:

- Statistical process review of the certification exam questions database. This has become the pillar for improvement of the exam questions for both NDT and welding certification.
- Translation of questions from English to Spanish to complement these databases.
- Improvement of the quality management system.
- Organisation and logistical planning of the last two congress, 2013 and 2015.
- Implementation of a certification scheme that complies with ISO 17024 for personnel certification.
- Translation of international standards for their application at a national level.
- Summons and coordination of the technical committees for the certification schemes.

This programme provides interns with not only their first opportunity to be part of a professional organisation but also opportunities to meet and connect with industrial partners to assist in developing their expertise in the areas of welding and NDT.

Interns are provided with a salary based on the activities developed, the time that will be dedicated and the level of study of the intern.

An evaluation system for the programme is determined by the requirements of the university. Usually, two or three reports per semester are required to be submitted to the instructor and signed by the ACOSEND supervisor. These reports are reviewed by the university instructor to monitor the progress of the intern.

MINDTCE 15

**MALAYSIA INTERNATIONAL
NDT CONFERENCE and EXHIBITION**

“NDT for Safer Life and Cleaner Environment”

22-24 NOVEMBER 2015

SUNWAY PUTRA HOTEL, KUALA LUMPUR, MALAYSIA

CALL FOR PAPERS

Increasingly complex engineering systems and plants pose greater challenges for members of NDT community. New NDT methods and equipment are continuously developed. More funds are injected into research with the objectives among others to diversify the already existing NDT methods, develop new methods, to increase degree of reliability of NDT data, automation of NDT methods and advancing the existing method such as digital radiography, phased array and time-of-flight diffraction. In addition, worldwide efforts are also made to improve NDT education, training and certification to ensure that the technology provides the most accurate presentation for level of integrity of tested items. MINDTCE15 provides a platform for members of NDT community throughout the world to share their new NDT technologies, knowledge, experiences and research findings for betterment of mankind dwelling in this world as well as protecting our environment and preventing industrial disasters.

- Radiation safety and security
- The need of NDT end users
- Automation and robotic NDT

TOPIC OF INTEREST INCLUDE BUT NOT LIMITED TO:

- New and advanced NDT methods
- Computed radiography and tomography
- Power generation application

- NDT education, training and certification
- NDT for nuclear power application
- NDT for aerospace application
- NDT for non-metallic material
- Ultrasonic phased array, TOFD and other advanced techniques
- Other areas related to NDT

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Program and Proceedings will be published in a Conference & Proceedings Web App for on-site usage. All participants will get USB-sticks at the conference with the handouts. Full papers of the contributions will be published Open Access after the symposium in NDT.net's renowned Open Access e-journal of Nondestructive Testing - ISSN 1435-4934

IMPORTANT DATES

**EXTENDED ABSTRACT
SUBMISSION DATELINE**
30th August 2015

**NOTIFICATION OF
ACCEPTANCE**
15th September 2015

FULL PAPER SUBMISSION
Contributions (Paper, Slides, Poster and Movie) submission until 8th Nov for USB and 22th Nov 2015 for MINDTCE15 Conference & Proceedings Web App

**Paper submissions and
author information at**
www.ndt.net/MINDTCE-15

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Malaysian Society for NDT (MSNT)

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International
Committee for NDT
(ICNDT)



Asia Pacific Federation
for NDT (APFNDT)

CALENDAR OF NDT EVENTS

| Month | Date | Venue | Event | Contact |
|----------------|-------|----------------------------------|--|---|
| November 2015 | 16-18 | Bremen Germany | 7th International Symposium on NDT in Aerospace | tagungen@dgzfp.de www.ndt-aerospace.com |
| | 22-24 | Kuala Lumpur Malaysia | Malaysia International NDT Conference and Exhibition (MINDTCE15) | abd Nassir54@yahoo.com.my www.msnt.org.my |
| | 26-28 | Hyderabad India | 25th Indian National Seminar and International Exhibition on Non-Destructive Evaluation | isnttheadoffice@gmail.com |
| December 2015 | 1-4 | Buenos Aires Argentina | Regional Conference on Non-Destructive and Structural Evaluation (X CORENDE) and COMADEM 2015 (Condition Monitoring and Diagnostic Engineering Management) | comunicacion@aaende.org.ar www.aaende.org.ar/ Comadem2015Corende/ |
| March 2016 | 14-16 | Berne Switzerland | 16th European ALARA Network Workshop: 'ALARA in industrial radiography: how can it be improved?' | ean-workshop-16@bag.admin.ch / nicolas.stritt@bag.admin.ch www.ean-workshop-16.ch |
| | 22-23 | Luton UK | UK Certification 2016 | conferences@bindt.org www.bindt.org |
| April 2016 | 11-14 | New Orleans, Louisiana USA | 25th ASNT Research Symposium | conferences@asnt.org www.asnt.org |
| May 2016 | 24-26 | Dayton, Ohio USA | MFPT 2016 and ISA's 62nd International Instrumentation Symposium | chris@mfpt.org www.mfpt.org/mfpt2016/ |
| June 2016 | 13-17 | Munich Germany | 19th World Conference on NDT (19th WCNDT) | tagungen@dgzfp.de www.wcndt2016.com |
| September 2016 | 7-9 | Prague Czech Republic | 32nd European Conference on Acoustic Emission Testing (EWGAE 2016) | cndt@cndt.cz www.cndt.cz/ewgae2016 |
| | 12-16 | City of Oulu Finland | 9th EUROSIM Congress on Modelling and Simulation | office@automaatioseura.fi www.eurosim.info |
| October 2016 | 24-27 | Long Beach, California USA | 75th ASNT Annual Conference | conferences@asnt.org www.asnt.org |
| November 2017 | 13-17 | Marina Bay Singapore | 15th Asia-Pacific Conference on Non-Destructive Testing (15th APCNDT) | secretariat@apcndt2017.com www.apcndt2017.com |
| June 2018 | 11-15 | Gothenburg Sweden | 12th European Conference on NDT (ECNDT 2018) | info@ecndt2018.com www.ecndt2018.com |