



## The World Organisation for NDT

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### CHAIRMAN'S MESSAGE

## 2014 – a particularly successful year

As Chairman of ICNDT, I am very pleased to prepare my first Chairman's Message of 2015 and wish everyone a happy, peaceful and successful year.

Looking back, I believe 2014 was a particularly successful year for ICNDT and its regional organisations. The ICNDT Annual Report was recently compiled, which can be found on the ICNDT website: [www.icndt.org](http://www.icndt.org)

The 11th European NDT Conference in Prague was a highlight of the year. There was a good representation from all around the world, which was much appreciated. During the event, the ICNDT General Assembly held an important meeting and agreed the main actions for its Strategic Plan through to the next ICNDT elections in 2016. It also agreed, in principle, to pursue further a proposed reorganisation of the relationship between ICNDT and its Regional Federations, to strengthen cooperation and improve their combined service to the global NDT community.

The two ICNDT workshops held in Prague were also very successful. The outcomes of the 'Workshop on Qualification and Certification of Personnel' are being fed into the ISO TC135 SC7 activities, towards the next revision of ISO 9712. Based on the 'Workshop on the Importance of NDT and NDT Research', ICNDT is producing a prestigious booklet for presentation to research funders and engineering institutions. This is to meet a challenge from Professor Baldev Raj.

The *ICNDT Guide to NDT Education*, based on the earlier workshops in Mumbai and Baltimore, has also been completed. This will soon be available on the ICNDT website.

In December 2014, I attended the IAEA International Conference on Occupational Radiation Protection: Enhancing the Protection of Workers – Gaps, Challenges and Developments, to represent ICNDT and co-chair the session on 'Occupational Radiation Protection in Industrial and Research & Education Facilities'. Radiation safety and protection are important in NDT, both for industrial radiographers and other NDT specialists who carry out in-service inspections on nuclear plant. The session I co-chaired was well supported by NDT professionals well known in ICNDT, from Holland, France and Germany. Four of the five papers related to industrial radiography. Whilst most industrial radiographers are exposed to annual doses of radiation in the range of 4-5 mSv, well below the annual permitted level of 20 mSv, a small number exceed these levels due to accidents, carelessness or faulty equipment. The problem is greater in developing countries, where radiation protection training may not be mandatory or where communications break down. This is an area where ICNDT should step up its activity and is inviting additional people to join WG5 to help take this forward.

During 2015, ICNDT will have the first meeting of its new working group, WG6, which will focus on condition monitoring. Individuals who are interested in participating should advise their own NDT society or let me know directly.



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## Developments in occupational radiation protection

ICNDT Chairman Mike Farley reports...

The IAEA International Conference on Occupational Radiation Protection: Enhancing the Protection of Workers – Gaps, Challenges and Developments, organised in cooperation with the International Labour Organisation, took place 1-5 December 2014, in Vienna. I was pleased to attend and represent ICNDT as well as co-chair the session on 'Occupational Radiation Protection in Industrial and Research & Education Facilities'. The co-chair was Cindy Flannery (US NRC).

Radiation safety and protection is important in NDT, both for industrial radiographers and also for other NDT specialists who carry out in-service inspections on nuclear plant.

I was able to attend several other sessions during the conference, covering health risk management (including regular medicals for radiation workers), dose record management (important for both companies and for itinerant workers) and a young professionals round table (designed to provide some of the younger attendees with a platform for sharing their interests).

The session I co-chaired was well supported by NDT professionals well known in ICNDT, from Holland, France and Germany. Four of the five papers related to industrial radiography.

Richard van Sonsbeek, Applus RTD's Group HSQE Manager and responsible for radiation safety, is chair of the Working Group Industrial Radiography (WGIR) of the ISEMIR project of the IAEA. His excellent paper suggested that whilst radiation protection training for radiographers is reasonably well established there is still room for improvement, especially with respect to refresher training

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# ICNDT Journal



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**Your new ICNDT Journal is available for downloading from [www.icndt.org](http://www.icndt.org)**

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Editorial contributions are welcomed.

Articles should be sent to Sharon Bond, CINDE. Email: s.bond@cinde.ca

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**Material for the next ICNDT Journal should be sent to Sharon Bond, email: [s.bond@cinde.ca](mailto:s.bond@cinde.ca)**

*Continued from front page*

and practical emergency response training. The frequency of the occurrence of incidents (accidents, near-misses and deviations) is not trivial and methods such as better incident reporting, analysis, feedback and sharing lessons learned need to be better utilised. Van Sonsbeek's paper included recommendations for further action following a technical meeting held at the IAEA in June 2014. He made some suggestions as to where the assistance of ICNDT would be appreciated:

1. Development of an internationally-recognised standard for training on radiation safety in industrial radiography operations. It should cover training for various roles, for example assistants, radiographer, planning, maintenance, etc. Note: ICNDT already has its Examination Question Bank on radiation protection and access via its members to training and examination syllabuses.
2. A review of the effectiveness of the ISO 3999 specification for gamma equipment. Van Sonsbeek is doubtful that this standard is reducing incidents and instead may be making them even more severe or complex to solve.
3. An international database on radiation protection data. This would be developed in stages. The first two stages would enable the collection of data on the doses, workload and radiation protection programme of NDT companies and allow statistical analysis, benchmarking and reporting tools. The metric proposed for assessing the effectiveness of the optimisation will

be the (average) occupational exposure per radiographic exposure for a (group of) industrial radiographer(s). The performance can then be statistically assessed as a function of parameters, such as training, use of survey meters and collimators, percentage of site radiography, etc. The third stage would be the development of a module for incident reporting and analysis, as well as for sharing the lessons to be learned from incidents.

4. Road map – a software tool to allow NDT companies to compare their radiation protection programme with the accepted practice by answering a series of questions on different topics. Finding a way to make the responsibility of clients for radiation safety more explicit, or give more responsibility for radiation safety to clients, with the objective of achieving a level playing field in which NDT providers compete while providing the same minimum required level of radiation safety.

Etienne Martin, COFREND and EDF, explained how EDF has been motivated to replace radiography by alternative NDT methods, but has found that it is not so easy and there will remain a place for radiography.

Charlotte Kaps, DGZfP, described the training and examination requirements for occupational radiation protection in Germany. DGZfP offers courses and certification.

A A Al Shehhi, from the UAE regulator, provided a regulator's view from her country. In the UAE, most industrial radiography is carried out by itinerant workers from other countries who do not speak Arabic or English.

● *Chairman's message continued from front page*

- Members of the ICNDT Executive Committee will be present at several events around the world in 2015, including the ASNT 24th Research Symposium, the DACH Conference in Salzburg, the Conference on Equipment Technology (COTEQ) in Brazil, the Twelfth International Conference on Condition Monitoring and Machinery Failure Prevention Technologies (CM2015/MFPT2015) in Oxford, the 6th Pan-American Conference for NDT in Cartagena, Columbia (where a Policy and General Purposes Committee meeting will be held), the ASNT Annual Conference (where a WG1 meeting will be held), the AFNDT Conference in Algiers and the Malaysian International NDT Conference and Exhibition (MINDTC 15).

Finally, I would like to thank all who have supported ICNDT in the past and thank you in anticipation of your continuing involvement.

● Dr J M Farley  
● Chairman, ICNDT

There are communication problems and too many accidents involving over-exposure.

The session also included a vigorous discussion session, which in my view reinforced the message from Richard van Sonsbeek. Whilst most industrial radiographers are exposed to annual doses of radiation in the range of 4-5 mSv, well below the annual permitted level of 20 mSv, a small number exceed these levels due to accidents, carelessness or faulty equipment. The problem is greater in developing countries, where radiation protection training may not be mandatory or where communications break down.

The session also featured input from Renate Czarwinski, President of the International Radiation Protection Association (IRPA), Donald Cool, Chairman of Committee 4 of the International Commission on Radiological Protection (ICRP), and Eduardo Gallego, President of the Spanish Radiation Protection Society (SEPR). Eduardo spoke about a video made by SEPR on dealing with an isotope container malfunction. The video is available to view in Spanish on the SEPR website: [www.sepr.es](http://www.sepr.es)

Following on from the Conference, the ICNDT Working Group on Radiation Protection and Security (WG5) has been asked to consider how ICNDT can help with actions 1-4, as listed above. Van Sonsbeek has agreed to join the WG and the ICNDT Executive has been invited to seek additional members. Steps will also be taken to provide links on the ICNDT website to both the IAEA guidance documents on radiation protection and the SEPR video. I will propose that we invite IRPA and ICRP to become Liaison Members of ICNDT.

## AFRICA

## African Federation revitalises strategy to develop NDT in region

The African Federation for Non-Destructive Testing (AFNDT) may be small in comparison with the other regional federations but, after adopting a new constitution during April 2014, all efforts are being made to develop NDT within the African region.

Since its inception, the AFNDT has been solely focused on facilitating regional conferences or seminars but, with the newly-adopted constitution, active participation within ICNDT and the development of global harmonisation within the African NDT industry are now encouraged.

To this extent, the International Atomic Energy Agency (IAEA) has been very active in promoting and developing NDT within the region since 2001. Originally through regional projects and currently via triangular projects that are partly sponsored by the IAEA, Regional Designated Centres for NDT (RDC) and a single national company/legal entity, a very successful and practical strategy for developing NDT capabilities within certain countries, has been established.

Various designated centres have been assigned based on their geographic position, demographics and, in particular, language. The strategy followed has been to identify a single company/legal entity within a specific country that would have an interest in the NDT industry. Personnel are then identified and sent for training at the various RDCs. With qualified personnel returning to the countries, a suitable core for NDT development within the country has been established. With the company/legal entity acting as the driving force and qualified personnel that can facilitate the programme, first an authorised training body (ATB) is established via interaction and assistance with the RDC, followed by an approved examination centre (ExC). These companies/legal entities then become full members of the AFNDT.

The next step would be to facilitate the formation of a national NDT society, since sufficient demand for NDT would have been created via the training and qualification of NDT personnel. The national society shall then be invited to become a full member of AFNDT once it has been established and is self-sustaining for a period of time. The original company/legal entity then becomes a founding member, with other national NDT partners becoming associate members. Should the national society, as the full member, become inactive within the AFNDT, then the founding member would be required to step in and assist in regenerating the NDT society again.

Currently, full members of the AFNDT are: Algeria (CSC), Angola (CTN), Cameroon (HYDRAC), Ghana (GAEC), Kenya (KEBS), South Africa (SAIW), Sudan (SAEC) and Tunisia (CETIME).

Within South Africa, the South African Institute of Welding (SAIW), through its IAEA – RDC (Anglophone) status, is a full member of AFNDT. However, with a well-established and operating national society being in place in the form of the

South African Institute for Non-Destructive Testing (SAINT), an invitation has been extended to SAINT to become the full member of AFNDT, with the status of SAIW changing to the founding member. Other entities within South Africa would be able to join as associate members should the need arise.



Students from Cameroon and Sudan participating in the four-month IAEA triangular training programme. Also shown are the SAIW NDT lecturing staff, Mr Mark Digby, Mr Ephriam Motukisi and Mr Absolom Chiswo, and the NDT examiner, Mr Jan Cowan

Triangular IAEA projects with Sudan (Sudan Atomic Energy Corporation – SAEC) and Cameroon (HYDRAC) are currently being facilitated at SAIW (RDC – Anglophone). A group of four Cameroonians and five Sudanese have engaged in a four-month training programme, which aims to qualify them to Level 2 in the four basic NDT methods. The next step would be to assist in getting the national ATB and ExC status in place by the end of 2015 via assistance from the IAEA and RDC. Kenya (KEBS) has also shown an interest in putting a triangular project in place during 2015, with the same objective in mind.

Organised by the African Federation for Non-Destructive Testing

# 6th AFNDT Regional Conference

24-26 November 2015

Algeria



## EUROPE

## News from the Russian Society for Non-Destructive Testing and Technical Diagnostics

Founded in 1937 and registered in 1996 in the Russian Federation, the Russian Society for Non-Destructive Testing and Technical Diagnostics (RSNTTD) is a non-profit public organisation, uniting NDT and TD personnel from the leading national universities and academic schools, government and regulatory authorities, training and certification centres, accreditation agencies, companies that produce and sell NDT equipment, and NDT service centres and laboratories. RSNTTD is a full member of the European Federation for Non-Destructive Testing (EFNDT), the International Committee for Non-Destructive Testing (ICNDT) and the Asia-Pacific Federation for Non-Destructive Testing (APFNDT). The President of RSNTTD, Professor E S Gorkunov, is a Member of the Russian Academy of Sciences, while the Management Board consists of over 30 lead experts in all NDT domains.

RSNTTD's policy is focused on assisting the use of scientific and technological potential for the purpose of large-scale and effective practical usage of the academic and scientific achievements during implementation of new developments and promotion of collaboration between science and education.

Today, RSNTTD has over 40 regional branches. The society holds joint seminars and conferences and provides information and support to all NDT specialists. Interactive communication methods help to speed up sharing of the experience and optimise consulting services.

RSNTTD is committed to moving towards integration into the global scientific space and treasures its collaboration with 39 national societies.

RSNTTD's mission is to combine the resources of regional NDT societies and organisations in Russia, as well as in related fields



Offices and staff of RSNTTD

of science and technology, to afford a favourable environment, both for the professional activities of specialists and consumers of industrial products, as well as for the society in general.

RSNTTD is the organiser of NDT Territory – the flagship annual NDT exhibition in Moscow. For more than 30 years, the RSNTTD Russian National Conference has been Russia's largest, and one of Europe's most prominent, scientific forums attended by leading scientists, developers and practitioners from many countries.



Sergei Klyuev (right) in discussion with RSNTTD President Professor E S Gorkunov

The scope of RSNTTD covers exhibitions, conferences and workshops, information support, organisational issues, international activities, personnel education and training, Russian national and industry-specific competitions, personnel certification, equipment certification and standardisation and regulations.

Members of RSNTTD receive the following benefits:

- Information about RSNTTD activities;
- Participate in RSNTTD's management;
- Elect and be elected to the governing and auditing bodies;
- Control the activities of governing bodies;
- Offer scientific and technical programmes and projects in accordance with the objectives of RSNTTD;
- Use the support of RSNTTD for decision-making within professional issues;
- Receive RSNTTD expertise and consulting assistance within the competence of the society;
- Publish material about professional activities in RSNTTD periodicals; and
- Participate in various RSNTTD projects.

# NDT2015

## 54th Annual Conference

8-10 September 2015

The International Centre | Telford, UK

### Call for Papers

Offers of papers are invited on all aspects of non-destructive testing. Full written papers that are submitted may be refereed with a view to publication in *Insight*.

Abstracts (of no more than 200 words) must be submitted online at:

<http://mc.manuscriptcentral.com/ndt2015>

or via the link on [www.bindt.org](http://www.bindt.org) by 17 April 2015

Contact: Conference Services, The British Institute of Non-Destructive Testing, Newton Building, St George's Avenue, Northampton NN2 6JB, UK

Tel: +44 (0)1604 89 3811; Fax: +44 (0)1604 89 3861;

Email: [conf@bindt.org](mailto:conf@bindt.org)

[www.bindt.org/events/ndt-2015](http://www.bindt.org/events/ndt-2015)



GERMAN SOCIETY FOR NON-DESTRUCTIVE TESTING

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# 19th WCNDT 2016



World Conference on Non-Destructive Testing

June 13 – 17 in **Munich** Germany

- ▶ Abstract Submissions accepted until 30 June 2015
- ▶ Final Programme in December 2015

**CALL FOR PAPERS** You are invited to submit abstracts on various topics of NDT. Present your latest developments, applications and research results – reach experts from all over the world and make NDT history! Find the best way to present your work – oral, poster or interactive presentation – everything is possible!

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## ASIA-PACIFIC

## APFNDT board member meeting held in Prague during ECNDT 2014

The first board member (ABM) meeting of the Asia-Pacific Federation for Non-Destructive Testing (APFNDT) was held 7 October 2014, during the 11th European Conference on Non-Destructive Testing (ECNDT 2014) in Prague, Czech Republic.



APFNDT board member meeting

APFNDT board members are as follows:

### APFNDT Executive Committee (AEC):

- APFNDT President: Dr Norikazu Ooka, JSNDI, Japan
- APFNDT Vice President: Dr Jong Po Lee, KSNT, South Korea
- APCNDT Past President: Dr B Venkataraman, ISNT, India
- APFNDT General Secretary: Mr Les Dick, AINDT, Australia
- APFNDT Treasurer: Mr Sajeesh K Babu, NDTSS, Singapore
- APCNDT President: Mr Sze Thiam Siong, NDTSS, Singapore.

### Regional Representatives:

- **Group One (Western Asia, Central Asia and South Asia)**  
India: Mr V Pari, ISNT  
Russia: Dr Alexander Mullin, RSNTTD
- **Group Two (East Asia and South East Asia)**  
China: Dr Gong Tian Shen, ChSNDT  
South Korea: Dr Man Yong Choi, KSNT  
Malaysia: Dr Abdul Nassir Ibrahim, MSNT  
Taiwan: Dr David Chu, SNTCT
- **Group Three (Pacific and Oceania)**  
USA: Mr Ray Morasse, ASNT  
Australia: Mr Pranay Wadyalkar, AINDT

### Auditor

- Mr John Maccarone, AINDT

### Secretariat

- Dr Takamasa Ogata, JSNDI
- Mr Shohei Ooka, JSNDI

During the meeting, ABM approved the proposal from ASNT to change the regional representative from Mr Ray Morasse to Mr Roger Engelbart.

As one of the most important items on the agenda of this meeting, ABM approved and activated the following six Task Groups (TG).

- **TG 1: Membership**  
Convener: TBA, NDTSS, Singapore
- **TG 2: Journal**  
Convener: Professor Nohyu Kim, KSNT, South Korea
- **TG 3: Communication**  
Convener: Mr Shohei Ooka, JSNDI, Japan
- **TG 4: Education and Training**  
Convener: TBA, ISNT, India
- **TG 5: Certification and Qualification**  
Convener: Mr Peter Milligan, AINDT, Australia
- **TG 6: Standards**  
Convener: TBA, JSNDI, Japan.

The first APFNDT Board Member (ABM) meeting in Prague proved both fruitful and successful. The next ABM meeting and APFNDT General Assembly will be held this year in Malaysia, in conjunction with the Malaysia International NDT Conference & Exhibition (MINDTCE'15). For further details and to view a meeting schedule, visit: [www.apfndt.org](http://www.apfndt.org)



APFNDT Board Members during ECNDT 2014 in Prague. Front row from left to right: Dr Ogata, Dr Nassir, Mr Sze, Mr Babu, Dr Ooka, Mr Wadyalkar, Mr Morasse and Mr Dick. Back row from left to right: Mr Ooka, Dr Shen, Dr Choi, Dr Lee, Dr Mullin, Mr Maccaron and Dr Chu

At the ICNDT Executive Committee (IEC) meeting, the Policy and General Purpose Committee (PGPC) meeting and the General Assembly (GA), APFNDT was recognised as a registered organisation in Japan under one of the four regional groups of ICNDT. For further details on the organisational structure of ICNDT, visit: [www.icndt.org](http://www.icndt.org)

Finally, ABM would like to show its gratitude to Dr Matthias Purschke, President of the European Federation for Non-Destructive Testing (EFNDT), the host society of the 2014 European Conference on Non-Destructive Testing, Dr Pavel Mazal, ECNDT 2014 Chairman, and Dr Zdenek Prevorovsky, ECNDT 2014 Co-Chairman, for their support.

The APFNDT can be contacted via the Secretariat: 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); Email: [secretariat@apfndt.org](mailto:secretariat@apfndt.org)

Asia-Pacific Conference on  
Non-Destructive Testing

# 15th APCNDT 2017

13-17 November 2017

Marina Bay Sands Convention Centre, Singapore

Theme: NDE for Enhanced Safety,  
Quality and Productivity

[www.apcndt2017.com](http://www.apcndt2017.com)



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*The World Organisation for NDT*

Highlights

- Recommendations on qualification and certification
- Responsibilities of the employer
- Requirements for NDT personnel certification bodies
- Qualification and certification of NDT personnel in accordance with ISO 9712: 2012
- ICNDT membership directory
- ASME position on recognition and acceptance of central certification programmes
- Non-destructive testing under the European Pressure Equipment Directive (97/23/EC)
- Certification Schemes compliant with ISO 9712
- ICNDT Multilateral Recognition Agreement, PCB assessment scheme and Examination Question Bank
- Qualification of NDT personnel in accordance with ISO 20807 and ISO TS 11774
- Guidance for developing countries seeking to establish national certification schemes
- Code of practice for personnel certification bodies
- ICNDT tabulation of PCB's implementation of ISO 9712:201237

# Qualification and Certification of Personnel for NDT

## PAN-AMERICA

## News from the American Society for NDT

ASNT welcomes 2014-2015  
Board of Directors

ASNT installed its 2014-2015 Board Officers and Directors at the 2014 ASNT Annual Conference in Charleston, South Carolina.

The 2014-2015 Board of Directors is as follows:

- **Chairman of the Board:** Roger Engelbart
- **President:** Terry Clausing
- **Vice President:** Kevin Smith
- **Secretary/Treasurer:** David Bajula
- **Council Directors:** Tschuin 'Philip' Chu, Marwan Basrawi, William Plumstead Jr, David Savoy
- **Directors at large:** Scott Cargill, Brenda Collins, Cindy Finley, David Hall, John Iman, Doron Kishoni, Robert Saunders, Flynn Spears, John Turner

The Board of Directors is the governing body of ASNT and establishes ASNT's mission and strategic direction. The Board authorises policies in support of the society's by-laws and provides oversight on financial matters. The Board also monitors the performance of society programmes, ensuring legal and ethical compliance.

More information about the ASNT Board of Directors and society organisation can be found at: [www.asnt.org/structure](http://www.asnt.org/structure)

Greater Houston Section celebrates 50 years  
in service to NDT

This year, ASNT recognises the Greater Houston Section for its 50 years of service to ASNT and the profession of non-destructive testing. The Greater Houston Section, chartered in 1965 for 'the purpose of advancing scientific, engineering and technical knowledge in the field of non-destructive testing', is currently the largest local section of the 92 chartered sections under ASNT with 6,208 affiliated members.

"This is an exciting milestone for our section," said John Chen, Chair of the Greater Houston Section. "It's a clear indication that non-destructive testing has a critical role and sustained heritage in Houston, Texas, and its surrounding areas."

The Greater Houston Section will celebrate its 50-year anniversary at the upcoming International Chemical and Petroleum Industry Inspection Technology (ICPIIT) Conference on 3-6 June 2015 in League City, Texas.

ICPIIT, an industry-leading inspection conference for NDT professionals in the oil & gas community, is organised jointly by the Greater Houston Section and ASNT. ICPIIT, now in its 14th showing, is marked by its successful exchange of best practices, technology adoption, fellowship and improving the quality of NDT within the oil & gas industry.

ASNT Annual  
Conference 2015

26-29 October 2015  
Salt Palace Convention Center  
Salt Lake City, Utah, USA

Contact: The American Society for Nondestructive Testing,  
1711 Arlingate Lane, PO Box 28518, Columbus, OH 43228-0518,  
USA. Tel: +1 614 274 6003; Fax: +1 614 274 6899  
Email: [conferences@asnt.org](mailto:conferences@asnt.org)

[www.asnt.org](http://www.asnt.org)

## New topical conference on ultrasonics

ASNT will be holding a new topical conference, Ultrasonics for NDT, later in the year. This conference will offer technical sessions and keynote speakers addressing topics in ultrasonic testing (UT), including time-of-flight diffraction (TOFD), phased array UT (PAUT) and conventional ultrasonic techniques.

ASNT is encouraging those who work in ultrasonic testing to attend, including purchasers of ultrasonic NDT services, users of advanced and conventional ultrasonic inspection technology and UT equipment suppliers.

"Time-of-flight diffraction and phased array UT are advancing rapidly and providing solutions for faster inspection and greater reliability," noted Conference Chair, Robert Feole. "Ultrasonics for NDT will be a valuable forum to share and expand upon these advances."

Ultrasonics for NDT will take place 29-31 July 2015 at the Crowne Plaza Hotel in Warwick, Rhode Island, immediately following ASNT's Digital Imaging XVIII Conference.

New ASNT Level III study guide and  
question & answer books published

ASNT has three new exam study publications: *ASNT Level III Study Guide: Radiologic Testing Method*, *ASNT Questions & Answers Book: Ultrasonic Testing* and *ASNT Questions & Answers Book: Radiologic Testing*.

The questions & answers books are a good resource to review and prepare for testing situations. These books feature more than 400 Level I, II and III questions, updated references and many new or updated questions, with every question written to more closely match the ASNT exam format.

The *ASNT Level III Study Guide: Radiologic Testing Method* provides prospective examinees with a review of technical knowledge and builds on the previous radiography study guide. Radiologic testing replaces radiography as the name of the method. The entire text has been updated to more closely follow CP-105. Chapters that are new include digital radiography, digital image processing and analysis, and computed tomography. Many of the chapter review questions are new or updated and every question is written to more closely match the ASNT exam format.

These materials may be purchased from the ASNT online store at: [www.asnt.org/store](http://www.asnt.org/store)

ASNT publishes new aerospace  
industry handbook

ASNT has published a 450-page industry handbook, *Aerospace NDT*, edited by Dr Richard Bossi. This new publication was the product of intense labour from 56 contributors and a dozen additional reviewers, drawn from the research community and active ASNT NDT Level IIIs. One reviewer commented: "The level of detail and explanations are superb. The impact of this book within the aerospace industry should be enormous!"

Methods and topics covered include: visual, ultrasonic, X-ray, penetrant, magnetic, eddy current, acoustic, leak, infrared, shearography, bond testing, *in-situ* NDT for structural health monitoring, microwave testing, coating measurement, surface quality and fundamental formula.

This Handbook contains 450 pages, 383 figures, more than 500 illustrations, 128 tables and 152 equations. It is available for purchase in the ASNT online store at: [www.asnt.org/store](http://www.asnt.org/store)

German Section Charter approved at  
2014 ASNT Annual Conference

The American Society for NDT Board of Directors approved a new section charter on 31 October 2014 during its meeting at the 2014 ASNT Annual Conference in Charleston, South Carolina. The German Section is located in Cologne, Germany, and is in Region 18.



A banner and charter will be presented to the German Section during its inaugural meeting scheduled in early 2015. ASNT members in the surrounding areas who do not currently affiliate with a section are invited and encouraged to affiliate with the German Section.

**ASNT welcomes Dr Arny Bereson as New Executive Director**

Dr Arnold ‘Arny’ Bereson has begun his service as Executive Director for the American Society for Nondestructive Testing (ASNT), the world’s largest technical society for non-destructive testing (NDT) professionals.

Coming to Columbus, Ohio, from Southern California, Arny brings twenty years of executive experience in the non-profit

sector, serving associations such as the Academy of Certified Diabetes Educators, Foresters, the Simon Youth Foundation and the Enterprise Corporation of Tampa Bay, Florida.

“Dr Bereson has demonstrated an exceptional ability to engage volunteers, industry leaders and local communities,” commented Roger Engelbart, ASNT Chair of the Board. “We’re excited to see his talents at work for ASNT.”

Dr Bereson earned a PhD in human services and management of non-profit organisations from Capella University, Minneapolis, Minnesota. His education also includes Bachelor of Engineering and Master of Science in Materials Science degrees.

The Executive Director of ASNT is responsible for administering allocated resources towards achieving the society’s goals, directing day-to-day operations and acting as the official spokesperson for the society.

**News from The Brazilian Association for NDT and Inspection**

**ABENDI takes part in national NDT conference in Portugal**

The 3rd National NDT Conference, sponsored by RELACRE (Portuguese Association of Accredited Laboratories), was held 15-16 December 2014 in Lisbon, with the theme ‘New Application Challenges’.

ABENDI participated in the event through the presence of Antonio Luís Aulicino, Manager of Institutional Relations, who gave a lecture on the use of NDT and the association’s activities in Brazil.

Other lecturers at the event included Mike Farley, President of ICNDT, Peter Trampus, Vice President of EFNDT, and Rodolfo Rodríguez Juárez, Technical Director of AEND (Asociación Española de Ensayos No Destructivos). Representatives of EMBRAER and the President and Vice President of AEND, Fermin Gómez Fraile and Emilio Romero Ros, were also in attendance.

**ABENDI’s new Board of Directors**

The start of 2015 saw in ABENDI’s new management biennium. This represents a change in presidency, as seen in the instatement of Marcelino Guedes, from Petrobras, as President and João Gabriel Hardgreaves Ribeiro, from Eletronuclear, as Vice President.

Remaining in the Board of Directors are Armando Carlos Cardoso Juliani, from Siemens, João Carlos Videira José, from Arctest, and Robson Pedroso Manão, from Tenaris Confab, besides João Antonio Conte as Executive Director. The new Board of Directors was elected by the members of the association’s Administration Council.

**COTEQ 2015**

The 12th edition of COTEQ – the Conference on Equipment Technology – will be held 15-18 June 2015 in the city of São Paulo. The conference unites, in a sole event, technical presentations, an exhibition of new technologies, products and services in the fields

of non-destructive testing and inspection, corrosion, petroleum, and gas and biofuels, as well as hosting conferences, seminars and symposiums related to these sectors.

Over 2000 participants, including specialists, engineers, technicians and researchers working with NDT, inspection, equipment integrity, fault analysis, corrosion and paint are expected to attend, along with others with a special interest in these fields.

COTEQ traditionally hosts other parallel events and this year there will be the 23rd edition of the Brazilian Congress of Corrosion (CONBRASCORR), the Seminar of Equipment Inspection (SEMINSPI), the 19th IEV – International Conference on the Evaluation of the Integrity and Life Extension of Industrial Equipment and the 9th EXPOEQUIP – Exhibition of Technology Equipments of Corrosion & Painting, NDT and Equipment Inspection.

**New certifications**

Continuing to implement the activities defined in its strategic plan, ABENDI is increasing its activities in certifying individuals. Explosive Atmospheres, Rappel Access, Moving Cargo, Fabrication Inspector and Performance Evaluation are the new certifications provided by the association.

**ABENDI provides ASME training in Brazil**

At the end of last year, ABENDI obtained its license to provide ASME-authorized training in Brazil.

The first training programme will be Inspection, Repair and Alteration of Pressure Tubes, to be held at ABENDI’s headquarters next March.

The programme will be headed by an ASME instructor and will revolve around the demands of various codes and norms, regulating inspection for professionals and manufacturers of maintenance equipment, inspection services and other organisations involved with the maintenance and repair of pressure equipment.

**NDT in Canada 2015 Conference – 15-17 June, Edmonton**

The NDT in Canada 2015 Conference will be held at the Edmonton Marriott River Cree Resort and Casino this June from the evening of the 15th to the 17th. The conference will be an event not to miss! Hundreds of NDT professionals from across Canada and the world will be in attendance to discuss the latest tools, techniques and trends in NDT.

Those interested in submitting abstracts for consideration must do so online. Visit the NDT.net Conference Management Cloud (CMC) at [www.ndt.net/NDTCanada2015](http://www.ndt.net/NDTCanada2015)

Attend the premiere NDT event in Canada to expand your network, demonstrate your knowledge and increase your profile! Contact [events@cinde.ca](mailto:events@cinde.ca) or visit <http://events.cinde.ca> for more details.

## CALENDAR OF NDT EVENTS

Month	Date	Venue	Event	Contact
April 2015	7-9	Astana Kazakhstan	1st Kazakhstan International Exhibition and Conference	power@iteca.kz www.machexpo.kz
May 2015	8-9	Athens Greece	8th National Conference of the Hellenic Society of NDT	hsnt@hsnt.gr / prasian@central.ntua.gr / i.prasianakis@gmail.com www.hsnt.gr
	10-15	Metz France	International Congress on Ultrasonics	2015-icu-metz@me.gatech.edu http://2015-icu-metz.gatech.edu
	11-13	Salzburg Austria	DACH Conference 2015	tagungen@dgzfp.de http://jahrestagung.dgzfp.de
	19-21	Jeju Island Korea	11th International Conference on NDE in Relation to Structural Integrity for Nuclear and Pressurized Components	11thnde@skku.edu www.11thnde.com
	27-29	Brussels Belgium	6th International Conference on Emerging Technologies in NDT (ETNDT6)	amoropul@central.ntua.gr www.etndt6.be
June 2015	9-11	Oxford UK	12th International Conference on Condition Monitoring and Machinery Failure Prevention Technologies (CM2015/MFPT2015)	conferences@bindt.org www.bindt.org
	18-21	Kusadasi Turkey	International Conference on Barkhausen Noise and Micromagnetic Testing (ICBM)	tuula.suortti-suominen@stresstech.com www.icbmconference.org
	22-26	Marina Del Rey, California USA	14th International Symposium on Non-Destructive Characterisation of Materials	ndcm14@cnde.com www.cnde.com
July 2015	15-17	Vancouver Canada	The 5th International Conference on Smart Materials and Nanotechnology in Engineering (SMN 2015) <i>in conjunction with</i> Cansmart 2015, The International Conference on Smart Materials and Structures	akhras@rmc.ca www.cansmart.com / www.smartmaterials.ca
September 2015	8-10	Telford UK	54th Annual British Conference and Materials Testing Exhibition (NDT 2015)	conferences@bindt.org www.bindt.org
	15-17	Berlin Germany	International Symposium on Non-Destructive Testing in Civil Engineering (NDT-CE 2015)	herbert.wiggenhauser@bam.de www.ndt-ce2015.net
November 2015	16-18	Bremen Germany	7th International Symposium on NDT in Aerospace	tagungen@dgzfp.de www.ndt-aerospace.com
June 2016	13-17	Munich Germany	19th World Conference on NDT (19th WCNDT)	tagungen@dgzfp.de www.wcndt2016.com