



*The World Organisation for NDT*

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### CHAIRMAN'S MESSAGE

## Progress made on strategic objectives

It is a great pleasure to offer good wishes to those member societies that are celebrating important anniversaries. In the autumn of 2012, the Japanese Society (JSNDI) celebrated 60 years! In March 2013, the Australian Institute (AINDT) was 50 years old. In Europe, the Slovenian NDT Society is organising its 10th International Conference and the Romanian Society (ARoEND) its 20th International Symposium. The Hellenic Society is organising its 5th International Conference in Athens, Greece. Congratulations to all!

I am writing this letter whilst making final preparations for a visit to the 1st Australasian International Welding, Inspection and NDT Conference (iWIN2013). This is a joint conference celebrating the 50th anniversary of the Australian Institute of Non-Destructive Testing and the 57th Annual Conference of the Welding Technology Institute of Australia. Joint conferences like this one provide excellent opportunities to 'spread our message' on the importance of NDT.

Preparing for my keynote lecture at the AINDT conference, in which I have the task of reflecting on the history of NDT, three Scottish NDT stories caught my attention.



I learned that when Wilhelm Röntgen discovered X-rays in November 1895 he sent a copy of his paper to Lord Kelvin in Glasgow and it was passed to the attention of Dr John Macintyre, who had been appointed as Medical Electrician to the Glasgow Royal Infirmary that year. On 5 February 1896, Dr Macintyre gave a presentation to the Philosophical Society of Glasgow on the new Röntgen Rays. In March 1896, Macintyre obtained permission from the managers of the Glasgow Royal Infirmary to start a new X-ray branch of his electrical department. This became the first department in the world to provide a service to patients. The image on the left is the first X-ray Röntgen ever created. It is an image of his wife's hand – you can see her wedding ring.



The first X-ray

In December 2012, our daughter-in-law gave birth to our grandson in the 'Ian Donald ward' of another Glasgow hospital. Ian Donald was a Scottish physician who pioneered the use of diagnostic ultrasound in obstetrics. Whilst Professor of Midwifery at Glasgow University, he first explored the use of ultrasound in the 1950s after seeing it used at Babcock and Wilcox (the company where I was employed from 1975 to 2012), Renfrew, to look for flaws in welds!



Ilan Donald pioneered the use of diagnostic ultrasound

This month has seen further reports showing the vital importance of reliable NDT. The Forth Road Bridge in Scotland is a suspension bridge 2.5 km in length with a main span

*Continued on page two*

## Asia-Pacific regional societies sign ICNDT MRA

The Japanese Society for Non-Destructive Inspection (JSNDI) formed a task group during the JSNDI International Workshop in 2008. The main purpose of the group is to provide the necessary advice to the APCNDT and JSNDI on implementing ISO 9712 certification as a common standard and assist the countries in need of developing such a scheme. The initial task group members (China, India, Korea, Malaysia and Japan) were nominated at the workshop in 2008 and Singapore was nominated and approved in 2010. The Asia-Pacific Conference on NDT (APCNDT) is another topic of consideration for the group. The 14th APCNDT will be held in India and the APCNDT after that will be held in Singapore.



Representatives from member countries joining hands to symbolise the promotion of the ICNDT MRA. From left to right: China, Korea, Singapore, Malaysia and India

A further meeting was arranged by JSNDI on 9-11 October 2012 in Tokyo, where the task group members reconsidered the future framework of each society among the Asia-Pacific countries. Furthermore, the meeting took the opportunity to exchange comments and discussions on NDT strategies in order to establish closer co-operation with the Asia-Pacific countries.

The following is a summary of the key discussions held during the meeting:

- APFNDT constitution and working group;
- Common question bank for the Asia-

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ICNDT Journal

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

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

*Chairman's message continued from front page*

of 1006 m supported by two suspension cables, each made up of 11,618 individual high tensile steel wires. In 2004, following the discovery of corrosion within the main cables, the Bridge Authority acted quickly to commission an acoustic monitoring



**The Forth Road Bridge in Scotland**

system to detect new wire breaks. The system is designed to provide early warning of any potential problem areas or increases in the rate of deterioration. It uses a series of microphones positioned along the cables to listen out for the unique sound of a wire breaking. Fifty new breakages were detected by 2009 and it was judged that continuing deterioration could lead to a ban on lorries using the crossing by 2014. The government decided to go forward and commission a replacement bridge (The Forth Replacement Crossing) at a forecasted cost of £1.45bn. All of the three main contracts that make up the FRC project have now been awarded. So, NDT had both allowed the bridge to continue to be used but appeared to have given it a life sentence. The latest news following inspections in 2012,

however, is that corrosion and breakage has significantly slowed down following the installation of a cable dehumidification system.

Back to ICNDT business. I am pleased to report that we have made progress on our strategic objective to strengthen relations with other international organisations with interests in NDT and condition monitoring. We have worked with the World Institute for Nuclear Security and the International Atomic Energy Agency, as well as ISO Technical Committee TC135 NDT. A group from the Executive Committee will meet with IIW representatives during March. We have been encouraged to seek liaison with TC 108/SC 5 (Condition Monitoring) and Dr Purschke will represent ICNDT at their meeting in Berlin in April. I will

- Continued from front page
- Pacific region;
- Common sourcing of examination specimens;
- Model quality system for ISO 17024;
- Discussion on technical specification for examination specimens;
- Discussion on common notes for training;
- Discussion on 'Train the Trainers' programme for developing countries in Asia;
- 14th APCNDT and 20th WCNDT plans.
- During this event, the following member countries declared their support for the ICNDT MRA and a signing ceremony was held at JSNDI's offices. The following member countries signed the MRA:
  - China – represented by Dr Shen;
  - India – represented by Mr V Pari;
  - Korea – represented by Prof Younho Cho;
  - Malaysia – represented by Dr Nassir;
  - Singapore – represented by Mr S K Babu.
- At this time, Australia and Japan were awaiting approval from their respective executive boards; however, both subsequently signed during the UK Certification Conference held in Luton, UK, in November 2012.

represent ICNDT at the QNDE conference in Baltimore in July.

The members of the Certification Executive Committee are to be congratulated on the progress that has been made towards the implementation of the ICNDT Multilateral Recognition Agreement, PCB assessment scheme and examination question bank (which has now been translated into Spanish). Five ICNDT member societies have signed the MRA. ICNDT speakers made very valuable contributions to the UK Certification Conference in Luton in November 2012.

*Dr J M Farley  
Chairman, ICNDT*

**The 12th International Conference on Application of Contemporary Non-Destructive Testing in Engineering**

**4-6 September 2013  
Grand Hotel Metropol, Portorož, Slovenia**

Contact: Assistant Professor Tomaž Kek, The Slovenian Society for Non-Destructive Testing, Faculty of Mechanical Engineering, University of Ljubljana, Aškerčeva 6, 1000 Ljubljana, Slovenia. Tel: +386 1 4771 729; Fax: 386 1 4771 225; Email: tomaz.kek@fs.uni-lj.si

<http://www.fs.uni-lj.si/ndt>

**Plans well underway for 19th WCNDT 2016**

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. In order to compile the scientific and technical programme of the conference, a new approach has been devised.

Firstly, a website will be established where the specially-selected Scientific and Technical Advisory Board can perform the review and ranking of the incoming abstracts online, according to the conference topics. These will be published in January 2015, alongside the first call for papers.

The Scientific and Technical Advisory Board will comprise internationally recognised experts, selected on the basis of proposals of the four Vice Presidents of the WCNDT, who are as follows:

- Gerd Dobmann, Fraunhofer-Institute for Nondestructive Testing, Saarbrücken;
- Anton Erhard, Federal Institute for Materials Research and Testing, Berlin;
- Marc Kreuzbruck, Federal Institute for Materials Research and Testing, Berlin;
- Martin Spies, Fraunhofer-Institute for Industrial Mathematics, Kaiserslautern.

The conference topics will be chosen with the objective of fulfilling the information requirements in order to enhance developments in individual NDT industrial sectors, contributing to a more reliable and safe technical infrastructure in our world, as well as highlighting trends that have been identified. However, contributions addressing special, well-accepted and traditional NDT methodologies, such as VT, UT, MT and RT, will also be welcome, in so far as they reveal and introduce new technological progress.

Topics will therefore include, but not be restricted to:

- Energy generation;
- Semi-finished products;
- Structural engineering;
- Traffic engineering;
- Reliability and statistical procedures;
- Modelling and data processing;
- Materials characterisation;
- Monitoring;

- Cultural heritage;
- Medical products;
- Nano-technologies and high-resolution NDT;
- Public security and humanitarian safety;
- Standards and training of NDT personnel.

To find out more, visit: [www.wcndt2016.com](http://www.wcndt2016.com)

**The location**

Munich is an attractive city for national and international congresses.

The Bavarian state capital is often referred to as a high-tech Mecca, a beer city and the capital of fun. Some call it 'Athens on the Isar', others the northernmost city of Italy. Both terms illustrate its rich architecture as well as the spirit and rhythm which reigns in Munich.

If you are heading for Munich it makes no difference where you come from, what counts is that you are cordially welcome.



**The venue**

The International Congress Centre Munich (ICM) is one of the most modern congress centres in the world and an integral part of the New Munich Trade Fair Centre. With an inviting and friendly atmosphere as well as the finest equipment, the centre offers ideal conditions for events of any kind and size.

With a capacity of 7000 seats, approximately 7000 m<sup>2</sup> of exhibition space and rooms for flexible use, the International Congress Centre Munich is one of the most efficient centres of its kind.





## BINDT holds successful certification conference

A very successful UK Certification Conference was held in Luton, just north of London, last November. Organised by The British Institute of NDT (BINDT), the conference attracted a good number of delegates from the UK and further afield.

The event aimed to inform attendees about the impact of changes in NDT/CM personnel certification, to describe the past, present and future of NDT/CM personnel certification from various perspectives and to provide an opportunity to discuss developments, schemes and practices in the field.

During 2012, BINDT had carried out a consultation with industry and this underpinned the presentation by BINDT CEO Cameron Sinclair. Joe Heigold (Tata Steel UK) gave an industry perspective and then BINDT President Elect (now President) Tony Dunhill talked about certification for emerging technologies. Matt Gallagher explained the role of certification in education, with special reference to BINDT's proposition for an integrated education programme, and Steve Lavender gave some background on the PCN scheme and an Authorised Qualifying Body's view of certification.



BINDT CEO Cameron Sinclair presenting at Certification UK

ICNDT Chairman Mike Farley described ICNDT's strategic vision on qualification and certification. Patrick Fallouey spoke on the harmonisation of EN 473 and ISO 9712 and then went on, with Matthias Purschke, to explain the ICNDT Multilateral Recognition Agreement (MRA). Sajeesh Babu explained ICNDT's conformity assessment service and Rufino Teles gave information on the Brazilian Society's experience of using the EFNFT examination question bank, while John Thompson talked about developments to update the question bank.

Alongside the conference there were meetings of the ICNDT Executive Committee, Working Group 1: Qualification and Certification and the Certification Executive Committee (CEC).

## Russian Society creates Youth Board

The Russian Society for NDT and Technical Diagnostics (RSNTTD) has created a Youth Board, comprising young specialists from leading companies from all areas of NDT, including training and certification of personnel, scientific R&D, industry, laboratories, equipment providers and service centres.

The Board will discuss the problems and tasks of the main RSNTTD Board – the governing body of the Society. The RSNTTD Board undertakes to consider all proposals of the Youth Board and invites members of the Youth Board to participate in its meetings.

27 companies from Moscow, Rybinsk, Voronezh, St Petersburg, Rostov, Ekaterinburg and Tomsk responded to the offer from the RSNTTD and sent their representatives to the Youth Board.



Members of the ICNDT Working Group 1 meet in Luton. From left to right: Shohei Ooka (Japan), Les Dick (Australia), Peter Milligan (UK/Australia), David Gilbert (ICNDT), Jim Guild (South Africa), Patrick Brisset (IAEA), Svetlana Priannikova (Ukraine), Alexander Mullin (Russia), Vitaly Radko (Ukraine), Rodolfo Rodrigues (Spain), Sajeesh Babu (Singapore), Gerhard Aufrecht (Austria), Patrick Fallouey (France), Ralf Holstein (Germany), John Thompson (UK), Matthias Purschke (Germany) and Mike Farley (Chairman, ICNDT)

Representatives from the Australian, Brazilian and Japanese societies took the opportunity to sign the ICNDT MRA during the proceedings of the event.



The Brazilian Society for NDT, represented by João Rufino Teles Filho (left), and the Australian Institute for NDT, represented by Les Dick (second from left), at the MRA signing. They were joined by Xu Jongchang and Sajeesh K Babu, representing China and Singapore, respectively, (who had already signed the MRA), and ICNDT Chairman Dr Mike Farley

The presentations from the conference are available online via Slideshare. To view them, use the following link: <http://bit.ly/15JUjch>

## INVITATION TO PRAGUE - CAPITAL OF THE CZECH REPUBLIC



## EUROPE

## IC-MINDT-2013 Materials Integrated Non-Destructive Testing 2013

# 5th INTERNATIONAL CONFERENCE ON NDT OF HSNT

20-22 May 2013  
Eugenides Foundation, Athens, Greece

The conference organising committee, with its chairman Professor Ioannis Prassianakis, cordially invites you to the 5th International Conference on NDT, organised by the Hellenic Society for NDT (HSNT).

The aim of the conference is to bring together scientists and engineers to exchange recent experiences in research and development activities in the field of NDT.

The topics to be covered by the conference include all thematic areas of current research and industrial use of NDT. The main topics of the conference are:

- Applications and innovations of NDT methods
- Inspection, training and certification
- Composite materials, welding and adhesion
- Digital radiography
- NDT technology transfer
- NDT for the diagnostics and refurbishment of cultural heritage monuments
- Applications for the shipping and aerospace industries
- Applications for power generation (including nuclear technologies)
- Theoretical modelling
- NDT applications in the civil structures industry
- Non-contact NDT methods
- Industrial manufacturing
- Aerospace and marine

Contact: Ioannis Prassianakis, Professor Emeritus NTUA, Chairman of the Conference.  
Email: prasian@central.ntua.gr or George Papanicolaou, Professor, University of Patras,  
General Secretary of the Conference. Email: gpapan@mech.upatras.gr

[www.hsnt.gr/IC-MINDT-2013](http://www.hsnt.gr/IC-MINDT-2013)

## ASIA-PACIFIC

## News from the Malaysian Society for NDT

### Another fruitful Task Force Meeting at JSNDI, 9-11 October 2012

As part of the efforts to create a strong co-operation with countries in the Asia-Pacific region, The Japanese Society for Non-Destructive Inspection (JSNDI) organised the fifth task group meeting at the headquarters of JSNDI in Akihabara.

Individuals representing NDT societies from Japan, Malaysia, Singapore, India, China and Korea attended the meeting.



Dr Yokono, JSNDI President, addressing the participants during the opening ceremony

Many issues related to the interest of members of NDT communities within the Asian region were discussed. These included:

- Development of personnel certification activities in Asian countries;
- Preparation by The Indian Society for NDT (ISNT) for the 14th Asia-Pacific Conference on NDT, scheduled to be held in Mumbai, India;
- Education and training to be hosted by JSNDI in 2013;
- Reports on examination test-blocks.

On the last day of the meeting, participants visited an exhibition organised by the Japanese Instrumentation and Measurement Association (JIMA).

MSNT wishes to thank JSNDI for the efforts made towards strengthening NDT activities in Asia.



Representatives from the NDT societies of China, Korea, Singapore, Malaysia and India displaying the ICNDT documents they signed in the Exhibition Hall

### Malaysian NDT Certification Body accredited to ISO 17024

The Malaysian Society for NDT (MSNT) wishes to congratulate the Department of Skill Manpower Development (JPK), Ministry of Human Resource, as the NDT National Certification Body for being accredited to ISO 17024 by the National Accreditation Body on 3 October 2012.



View of the final auditing process, where the Chief Auditor goes through all documents

The process of gaining accreditation began in 2005 and involved great efforts from various individuals and organisations. Great support from the Director General of JPK and efforts by his officers were the main instruments leading to the success of this process.

The MSNT sees this success as a significant step towards leveraging the quality of its NDT personnel and towards achieving internationalisation of its NDT certificates.

## MINDTCE 13

NDT for Safety, Quality and Productivity

16-18 June 2013  
Sunway Putra Hotel, Kuala Lumpur

The Malaysian Society for NDT is proud to announce its biennial conference and exhibition, MINDTCE13.

Topics covered will include:

- New, advanced and innovative NDT methods.
- NDT management, training, qualification and certification.
- Digital industrial radiography.
- Safety and security in industrial radiography.
- Application for metallic and non-metallic material.
- Application in nuclear power industries.
- Computed tomography.

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[www.msnt.org.my](http://www.msnt.org.my)



ASIA-PACIFIC

PAN-AMERICA

## BINDT and AINDT sign ground-breaking agreement

On Tuesday 30 October 2012, Steve Lavender (then President of The British Institute of Non-Destructive Testing) and Ian Hogarth (President of the Australian Institute of Non-Destructive Testing), on behalf of their respective Councils, signed and ratified the following two documents:

- A strategic 'Shared Vision for Partnership', which is, in effect, a statement of intent and portrays a true partnership arrangement designed to bring about the pooling of resources, enabling the pursuit of their respective charitable objectives with greater effectiveness and efficiency.
- A memorandum of understanding (MoU) and co-operation agreement, which sets out some more specific reciprocal arrangements covering governance, communications, events, publications, membership, certification and other technical activities.

Stakeholders will start to see the tangible benefits of the synergy created by this partnership in the coming years, but can be assured that both Institutes will maintain their autonomy, culture and ethos, respectively. In fact, it is the similarity of the two Institutes in these and other respects that will ensure that the partnership will succeed. Furthermore, it is a condition that both Institutes' Councils must retain full control of their respective organisations and that both Institutes shall maintain their respective legal status and various accreditations.

The target outcome of the partnership is an acceleration of the continuous improvement of all their propositions, particularly in terms of broadening the appeal of these propositions and increasing the number of people engaging with the two Institutes through these propositions.

Both Institutes will continue to trade under their respective brands and, importantly, another condition of the agreement is that

the 'character' of each Institute will be preserved. The agreement does, however, create the possibility of creating additional co-owned brands in the future.



Australian Institute of NDT President Ian Hogarth (second from left) and the then BINDT President Steve Lavender (third from left) with the signed MoU and partnership agreement. BINDT CEO Cameron Sinclair (left) and AINDT EO Les Dick complete the picture

Cameron Sinclair, CEO of BINDT, says: "The benefits that will accrue from this partnership outweigh the challenges posed by the pooling of resources situated on opposite sides of the globe. This is an exciting development that opens a door to all manner of possibilities to enhance our joint capabilities, especially if other similarly-motivated organisations are brought into the partnership in due course."

## AINDT presents inaugural Meritorious Service Award to Derek Olley

The Australian Institute of NDT (AINDT) has presented its inaugural Meritorious Service Award to Mr Derek Olley, in recognition of 30 years' service to AINDT at Branch and Federal levels.

During his time with AINDT, Derek was Queensland Branch Councillor (1980-2012), Secretary (1991-1994) and President



From left to right: Queensland Branch Immediate Past President Mr Michael Magrath, Meritorious Service Award recipient Mr Derek Olley and new QLD Branch President Mr Barry Cooper at the presentation of the award

(1993-1995), and Federal Councillor (1980-2002) and President (1983-1984). He was awarded Honorary Membership in 1994, was convenor of a number of conferences and seminars at both Branch and Federal level and was certification & qualification examination co-ordinator for Queensland (2000-2012).

Derek was APCNDT President (1997-2001) and member of the organising committee for the 10th APCNDT Conference in Brisbane in 2001.

The 2nd Singapore International Non-Destructive Testing Conference & Exhibition

SINCE 2013

19-20 July 2013  
Singapore

'NDT for Productivity and Reliability'

Organised by the Non-Destructive Testing Society (Singapore)

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

## New technology centre for Chile

Last year a ceremony was held at Hualpen, near Concepcion, Chile, to commemorate the laying of the foundation stone for the construction of a joint project between the IQS Operations Centre – South America and the South American Technology Centre (CTS), led by Giuseppe Mellis, General Manager of CTS, and Deputy Manager Eduardo Cretier P, who is involved with tactical and operational staff for IQS.

The project, which includes the construction of three buildings of nearly 900 m<sup>2</sup> each, on a land area of almost 8000 m<sup>2</sup>, is now well underway.

The facility is located in the community of Hualpen, a new and important industrial and business area that is home to several large corporations and universities and is only a few minutes from



Giuseppe Mellis, General Manager of CTS, and Deputy Manager of IQS Eduardo Cretier, at the foundation laying ceremony last year

Carriel Sur Airport and major highways.

Giuseppe Mellis said: "We have invested in this construction to move forward and to contribute to the industry, the region and the development of the country, from which we will continue to develop into South America and then to other continents."

Eduardo Cretier pointed out the importance of the joint project, addressing the need: "to form and strengthen the job skills of individuals and to achieve excellence in processes that require world-class maintenance, building on the increasing efforts in research, development and innovation that have been made so far."

On behalf of the staff, Senior Gabriel Ferrada spoke, saying: "This is a great opportunity for the staff and the business involved."



The project is now well underway

## News from The Brazilian Association of NDT and Inspection

### Conference on Equipment Technology (COTEQ) in Brazil

The Conference on Equipment Technology (COTEQ) is one of the most important events in its field in Brazil. COTEQ brings together professionals from the scientific and industrial communities. It provides a forum for the exchange of information and ideas and explores current research and development in the NDT, corrosion, oil, gas and biofuel industries.

The 12th Conference on Equipment Technology – COTEQ is being organised by The Brazilian Society of Non-Destructive Testing and Inspection (ABENDI), with The Brazilian Association of Corrosion (ABRACO) and The Brazilian Institute of Oil, Gas and Biofuels (IBP).

The conference will be held 18-21 June 2013 at Enotel Resort & Spa in Porto de Galinhas, Pernambuco, Brazil. At the previous event in 2011, COTEQ brought together over 1,600 attendees in a programme featuring more than 240 technical presentations given by academics and professionals referenced in universities and industries in the area, with experts recognised both nationally and internationally.

The 1,380 m<sup>2</sup> exhibition area will be an ideal place for organisations to showcase their technology, products and services. It will provide the opportunity to do business and establish relationships with professionals involved in the technological developments of the equipment industry.

COTEQ returns to Pernambuco, the main area of industrial development in the north-east region of Brazil.

For further information, visit: [www.abendi.org.br/coteq/eng/](http://www.abendi.org.br/coteq/eng/)

International Chemical and Petroleum Industry Inspection Technology Conference

ICPIIT XIII

12-15 June 2013  
Crowne Plaza Houston Northwest – Brookhollow  
Houston, Texas, USA

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

This conference provides a forum for the exchange of theoretical and scientific information in the following subjects:

- NDT of pipeline and piping.
- NDT of pressure vessels.
- NDT of storage tanks.
- NDT of chemical and refinery plants.
- NDT of equipment for transportation.
- Inspector certifications.
- Codes.
- Standards.
- Regulations.
- Risk-based inspections and evaluations.
- General NDT.



## News from The American Society for NDT

### ASNT's 22nd Research Symposium – 18-21 March 2013

The ASNT 22nd Research Symposium is being held 18-21 March 2013 in Memphis, Tennessee. This yearly event highlights the exchange of non-destructive testing (NDT) knowledge in the form of research, technology and commercial innovations, with the various engineers, practitioners, manufacturers and academics in the industry. The symposium promotes the latest advancements in theory and instrumentation that are vital to the continued success of NDT throughout the world. At the same time, this offers networking opportunities with newfound professionals and the opportunity to catch up with colleagues.



A number of educational programme sessions are planned for the course of the symposium. Topics of interest include neutron radiography, acoustic techniques, eddy current testing of aerospace structures, laser NDT, probability of detection, structural health monitoring, guided wave and much more. These sessions, taught by expert industry veterans, are open to all levels of practitioner and will be of great value to anyone wishing to expand his or her knowledge on specialised NDE subject matter.

This year's programme includes several addresses by some of the most active names in the industry. On Tuesday, Charles Eick of Horizon NDT Services will deliver a keynote address, entitled: 'Improving the transfer of knowledge and needs between NDT key players'. On Wednesday, the winner of the ASNT Research Award for Sustained Excellence Richard H Bossi, Senior Technical Fellow at Boeing Research and Technology, will present on

'The quest for non-destructive materials characterisation'. On Thursday, ASNT Research Award for Innovation winner Neil Goldfine, President of Jentek Sensors Inc, will deliver an address, entitled: 'MWM – arrays and hyperlattices – history and accomplishments'.

Conference attendees are encouraged to sit in on one of the many administrative and informational Society meetings that will take place during the symposium. The Technical and Education Council will host meetings on a variety of NDT methods, as well as topics including aerospace, educational publications and an SNT-TC-1A review. The Certification Management Council, Section Operations Council and Research Council will also convene during the week. Certification examinations will be held on Saturday and Sunday, prior to the start of the symposium.

The Research Symposium provides a great outlet for attendees to explore the latest instrumentation in NDT from the top players in the market. This year's exhibitors include 2013 sponsor Olympus NDT, as well as many other companies. Pick up a catalogue, attend a product demonstration and make sure your organisation is on the cutting edge of NDT technology.

ASNT recognises the importance of its NDT student members as future leaders in the industry and extends a warm welcome to student attendees. The Research Symposium is the ideal environment for students to gain insight through the educational sessions, acquire professional skills and network with peers and potential employers. In an effort to make conference attendance more accessible to its student members, ASNT offered travel reimbursements of up to \$1000 each (including transportation and meals) to a maximum of 15 students to attend the 22nd ASNT Research Symposium. In order to be considered, students enrolled in a four-year university course were required to submit a one-page essay, a letter of recommendation from an instructor or professor, proof of current enrollment and their ASNT student member status by 31 January.

This year's symposium is being held at the historic Peabody Hotel in Memphis. The Peabody is a Forbes Four-Star, AAA Four-Diamond historic hotel located in the heart of the downtown area. It is within walking distance of Beale Street, the Memphis Rock 'n' Soul Museum, the Gibson Guitar Factory, Fed-Ex Forum, the National Civil Rights Museum, Sun Studio, the Orpheum Theatre and Memphis Cook Convention Center.

The hotel is a destination within itself, boasting 464 guest rooms and two refined restaurants, all decorated in old-world style and exuding southern charm. Notable hotel events include a buffet style Sunday brunch at Carpaccio Grill and English-style afternoon tea at Chez Philippe. Perhaps most famous though is the daily visit from the Peabody Ducks, which march to and from the Grand Lobby, a tradition that dates back to 1933.

### ASNT's 2012 Fall Conference was informative and instructive

ASNT held its Annual Conference from 29 October to 2 November 2012 at the Rosen Creek Resort in Orlando, Florida. The conference provided a forum for the exchange of theoretical, scientific and application information and had 1445 registered participants, representing the full spectrum of NDT methods and techniques. The professional programme featured 95 scheduled presentations and five short courses. The papers showcased a variety of novel NDT techniques and applications from the forefront of the industry and were well received.

Committee meetings, informational meetings, short courses and networking opportunities kept attendees active throughout the week, and the 153 exhibiting companies demonstrated their NDT products and services.

The conference keynote and plenary addresses were especially fitting for host city Orlando, as local favourites Disney and NASA

both provided NDT experts. On Tuesday, Emmett Peter, Director of Worldwide Safety and Assurance, Disney Parks and Resorts, gave a presentation entitled: 'Safety by design: Disney's approach to worldwide safety'. Disney makes guest safety its number one priority and uses ASNT guidelines and their 1,900 own standards daily on 11 ticketed attractions and the Disney Cruise Line. With the wide variety of rides and facilities, Disney regularly uses many NDT methods in several situations, including with underwater, hidden and aerial access.

On Wednesday, Michael P Serabian, President of PQNDT Inc, presented his company's 2012 Salary Survey Results. The yearly event provided ASNT attendees with the opportunity to present and discuss the newest research and technology in non-destructive evaluation and testing. The average NDT practitioner is 45 years old and has 19 years of experience, though hiring increases for Level I and Level II employees suggest that firms are attracting newer, younger talent.

Brooks R Kimmel, Deputy Director of Safety, Health and Mission Assurance at the NASA Kennedy Space Center, presented Thursday's plenary address, entitled: 'Safety in a zero tolerance environment'. In an industry that regularly deals with zero gravity, extreme high and low pressures and rocket fuel, safety is a critical concern. Kimmel described how NASA implements safety to not only identify problems and correct them, but also to prevent their occurrence in the future.

The 2012 Lester Honor Lecture was also presented on Thursday by Ward D Rummel of D&W Enterprises Ltd. Working from the forefront of the probability of detection metric, Rummel discussed the 'Quest for reliable NDT', including the development of statistical rigour, the development of data fitting and presentation, predictive modelling, requirements for linking modelling and measurement, and how to improve understanding and use of NDT measurement.

All presentations were well received and well attended as part of the conference's strong professional programme.

Educational sessions and short courses went on as planned from Tuesday through to Thursday, though Hurricane Sandy disrupted travel plans for many presenters. ASNT thanks the replacements who volunteered to fill in with impromptu sessions. Tim Armitt, of Lavender NDT, opened the short courses on Monday with a 'Masterclass in the art of time-of-flight diffraction', addressing the general set-up, detection, characterisation and finite sizing of welding flaws. There were also courses on the 'Application of human factors and safety culture in NDT', taught by Walt Cofer of Radiation Control Inc, an 'Overview of infrared usage in industry for those supporting an IR programme', taught by Albert Ohliger of AO Technical Services Company, 'Applied probability of detection methods', taught by Jennifer Brown of Iowa State University,

## Digital Imaging XVI

22-24 July 2013  
Foxwoods Resort, Mashantucket, CT, USA

Now in its 16th year, ASNT's Digital Imaging Conference remains the industry's cutting edge event. This topical conference features the advances of digital radiography in the NDT Industry.

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

and 'Ultrasonic weld inspection', taught by Subash Jayaraman of Waves in Solids, LLC. These courses served NDT managers, inspectors and trainees with the education and certification they need to stay current in the rapidly changing NDT field.

Paper sessions included topics on automotive and railway inspections, health monitoring, NDT of spacecraft and launch vehicles, education and training, pipeline inspections, infrastructure and emerging technologies. These sessions were composed of 30 minute presentations that spanned NDT methods and explained new techniques, equipment and practices. Session chairs and presenters were also available for follow-up, creating an interactive experience.

On Wednesday night, ASNT members gathered for the Annual Awards Banquet. ASNT recognised its community members for their contributions to the NDT industry and to the Society itself. David L Culbertson received the 2012 Philip D Johnson Honorary Member Award, the highest the Society bestows. John A Stringer received the Charles N Sherlock Meritorious Service Award, and the Lou Di Valerio Technician of the Year Award went to Robert E Campbell, Jr. Eleven sections were recognised for their achievements in the 2011-2012 President's Award Programme, with Greater Houston, Old Dominion, Pacific Northwest and Saudi Arabian receiving Gold honours.

NDT students were also recognised at the banquet. Engineering Undergraduate Awards were presented to Leslie Bland of James Madison University, Sarah Hatfield of Missouri University of Science and Technology and Caleb McGee of Southern Illinois University Carbondale.

The banquet finished with the passing of the presidential collar, as outgoing President Robert Potter conferred the title upon 2013 ASNT President Raymond Morasse.

### Seattle, Washington, destination for first NDT of Composites Conference

The first-time conference NDT of Composites will be held in Seattle, Washington, from 13-14 May 2013. The conference will provide information on existing, new and developing methods of NDT for composite materials and fabrication techniques, including advances in laser technology and thermography. New product forms and preferred non-destructive testing techniques will also be discussed. Uses in applications ranging from commercial to military, sub-surface to space will be presented.



### ASNT launches new website

In mid-January, ASNT launched its new website. The website has been designed with users in the forefront. Firstly, the site has been optimised with a functional, innovative and clean look, designed to maximise the user's experience. Secondly, there is simplified navigation and the site is information rich. Users will find a dynamic certificate holder's verification database, NDT articles, papers and library resources. Full issues of *Materials Evaluation* are available to ASNT members and there are enhanced search capabilities. Structured for browsing, the ASNT Book Store is dedicated to NDT publications and merchandise. The store is the source for more than 200 NDT publications and it is easy to make purchases from the site. The new MyASNT feature is your personal page for tracking your demographic and contact information, ASNT certificates held with expiration dates, recertification points earned and ASNT section affiliation. Discover it now at [www.asnt.org](http://www.asnt.org)

## CALENDAR OF NDT EVENTS

Month	Date	Venue	Event	Contact
May 2013	1-4	Singapore	International Congress on Ultrasonics – 2013 ICU	revenzheng@epc.com.sg
	6-8	Dresden Germany	Annual Conference of the German Society for NDT (DGZfP)	tagungen@dgzfp.de www.dgzfp.de
	20-22	Athens Greece	5th International Conference on NDT	prasian@central.ntua.gr / i.prasianakis@gmail.com www.hsnt.gr/IC-MINDT-2013
	20-25	Le Mans France	13th International Symposium on Non-Destructive Characterisation of Materials	info@cnde.com
June 2013	16-18	Kuala Lumpur Malaysia	Malaysian International NDT Conference and Exhibition (MINDTCE 13)	nassir@nuclearmalaysia.gov.my
	18-20	Kraków Poland	The Tenth International Conference on Condition Monitoring and Machinery Failure Prevention Technologies	conferences@bindt.org www.bindt.org
July 2013	19-20	Singapore	2nd Singapore International NDT Conference & Exhibition (SINCE 2013)	ndtss@live.com.sg www.ndtss.org.sg
	21-26	Baltimore Maryland, USA	40th Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE)	heidil@iastate.edu www.qndepgrams.org/2013/ Conference2013.html www.icbmconference.org
September 2013	4-6	Ljubljana Slovenia	12th International Conference on Application of Contemporary Non-Destructive Testing in Engineering	tomaz.kek@fs.uni-lj.si
	10-12	Telford UK	Materials Testing 2013 Exhibition and 52nd Annual British Conference on NDT – NDT 2013	conferences@bindt.org www.bindt.org
November 2013	4-8	Las Vegas Nevada, USA	ASNT Fall Conference and Quality Testing Show 2013	conferences@asnt.org www.asnt.org
	18-22	Mumbai India	14th Asia-Pacific Conference on NDT (APCNDT 2013)	bvenkat@igcar.gov.in / presidentapcndt@gmail.com www.isnt.org.in
October 2014	6-10	Prague Czech Republic	11th European Conference on NDT (ECNDT 2014)	www.ecndt2014.com
June 2016	13-17	Munich Germany	19th World Conference on NDT (19th WCNDT)	www.wcndt2016.com