



INTERNATIONAL COMMITTEE FOR
NON-DESTRUCTIVE TESTING

The World Organisation for NDT

38th General Assembly Meeting
Tuesday 14th June, 2016
International Congress Centre, Munich – 19th WCNDT

1. Welcome

<i>Present – Voting Members</i>			
B Alves	FSEND/RELACRE Portugal	V Krstelj	CrSNDT Croatia
C Belinco	AAENDE Argentina	E Martin	COFREND France
A Bereson	ASNT USA	P Mazal	CNDT Czech Republic
K Cain	SAINT South Africa	M Mihovski	BGSNDT Bulgaria
T Chady	SIMP Poland	T Ogata	JSNDI Japan
J Chege	NDISK Kenya	E Palido	ACOSEND Colombia
M Y Choi	KSNT Korea	M Papponetti	AIPnD Italy
D Chu	SNTCT Taiwan ROC	B Pedersen	DSNDT Denmark
J Conte	ABENDI Brazil	V Pari	ISNT India
L Dick	NZNTA New Zealand	I Prassianakis	HSNT Greece
E Gorkunov	RSNTTD Russia	W Schmid	SGZP Switzerland
E Eckhardt	SSNDT Slovakia	G Shen	ChSNDT China
A Erhard	DGZfP Germany	Y Shoef	ISRANDT Israel
B Frenn	IRI-Lebanon	C Sinclair	BINDT UK
J Grum	SSNDT Slovenia	G Sofronic	SDIBR Serbia
M Ghaemi	IRNDT Iran	A Stanciu	ARoENDd Romania
F Gomez	AEND Spain	Sze T Siong	NDTSS Singapore
S Haas	ÖGfZP Austria	P Trampus	MAROVISZ Hungary
C Hakan-Gur	TURK NDT Turkey	J Verkooijen	KINT Netherlands
T El-Hakim	IRI Lebanon	P Wadyalkar	AINDT Australia
F Hermansen	NSNDT Norway	K Woit	CINDE Canada
A N Ibrahim	MSNT Malaysia	S Zaitova	NDTTDAK Kazakhstan
<i>Present – Non-Voting</i>			
M H AbalNour	Egypt	G Liming	ASNT USA
P Anandan	ISNT India	R Lyon	BINDT UK
G Aufricht	ICNDT Treasurer	J Maccarone	AINDT Australia
J Ansler	Argentina	D Mandina	ASNT USA
S K Babu	ICNDT Gen Sec	S Mandayam	ISNT India
V K Babu	Hong Kong/China	D Marshall	ICNDT
M Bakoura	HYDRAC Cameroon	A Meszaros	EFNDT
D Bajula	ASNT USA	P Milligan	AINDT Australia
J Bennett	ASNT USA	Y Mirchev	BGSNDT
J Birir	NDTS Kenya	A Mullin	Chair ICNDT WG1
H Bowles	ASNT USA	Y Mirchev	BGSNDT Bulgaria
S Bond	CINDE Canada/ICNDT IEC	I Mukriz	MSNT Malaysia
J F Chai	SNTCT Taiwan ROC	G Nardoni	Italy
A Charbonnier	COFREND France	N Ooka	APFNDT
E Cheprasova	RSNTTD Russia	S Ooka	APFNDT/JSNDI Japan
Y Cho	KSNT/ICNDT	M Potter	ASNT USA
C Cho	KSNT Korea	E Romeo	AEND Spain
H J Chung	KSNT Korea	C Schnitzer	ASNT USA
T Clausing	ASNT USA	J Seong-Hyeon	KSNT Korea
Dr M Farley	Chair - ICNDT	G Shoef	ISRANDT Israel
D Gilbert	ICNDT Secretariat	K Smith	ASNT USA

Secretariat: The British Institute of NDT, Midsummer House, Riverside Way, Bedford Road,
Northampton NN1 5NX UK

Tel: +44 1604 438300 Fax: +44 1604 438301 Email: icndt@bindt.org

The ICNDT is registered as a legalised Association with its seat in Vienna, Austria.

A1010 VIENNA, Krugerstraße 16

V Gomes	RELACRE Portugal	R Smith	BINDT UK
J G Hargreaves	Brazil	T Tsuchiya	ISO/TC135
C Henry	NSNDT Nigeria	E Tuberosa	AIPnD Italy
F Herelli	Tunisia	G Tubrett	CINDE Canada
S Hussein	Malaysia	A Vamvakousis	HSNT Greece
G Idinger	ÖGfZP Austria	D J Varde	ISNT India
H Jansen	SAIW South Africa	T Wooldridge	ICNDT CEC
S Javaheripour	IRNDT Iran	N Yagi	JSNDI Japan
M Johannes	SAINT/ICNDT WG3	S Youssef	IRI Lebanon
A Joycli	SNDT Sri Lanka	P K Yuen	CINDE Canada
D Kang	KSNT Korea	S Zoppi	Argentina
O Kwon	KSNT Korea	K Hickman	Minute Secretary
R Kleber	SSNT Switzerland		
<i>Apologies</i>	Tony Sonneveld, Prof H J Wustenberg, J-P Lee, Patrick Fallouey, J-P Gustin		

- Dr Farley welcomed everyone to the 38th Meeting of the ICNDT General Assembly.
- The agenda was presented to all those in attendance.

2. Memoriam

- Respects were paid to Prof Hermann J Kopineck, Honorary member of ICNDT and past president of DGZfP, and Juan Báez, pioneer of NDT in Argentina.

3. Roll Call

- 41 voting members are attending this meeting
- Apologies as above
- Introductions were made

4. Procedures for voting confirmation of quorum

- Dr Farley explained the procedure for voting. Only full member societies/organisations have voting privileges; one vote per full member; members who did not pay their 2015 fees are not entitled to vote; simple majority voting.
- The meeting was quorate (more than 33% of full members entitled to vote present)

5. Approval of Minutes of ICNDT General Assembly/37th meeting (Prague 2014)

- The minutes of the previous meeting were accepted as a true record.

6. ICNDT Business

6.1 Report on Annual Meeting (29 Jan 2016, Balance 2015, Budget 2016 and fees)

- An internet meeting had been held in January where the 2015 Annual Report was approved
- The report is available on the website.
- The budget was approved for 2016
- The starting balance was €85,000 and the expected closing balance will be €100,000 assuming there is a donation from the World Conference.

- €15,000 will be allocated to professional services to keep actions moving for the future.
- The membership fees for 2016 will be €300 for full membership and €100 for associate membership
- A request was made for fees to be paid as soon as possible.

6.2 Notification of Operating Procedures issued since last GA

- The Executive Committee work in a methodical, systematic way in agreement with the General Assembly.
- The modified OP18 was approved
- Robin Shipp has retired as secretary of the CEC committee and Tony Wooldridge has taken on this role.
- OP19, OP20 and OP24 were all approved.
- Three new OPs – OP22: Recognition of voluntary effort, OP25: ICNDT International Forums and OP26: ICNDT Specialist International Groups had been approved by the PGP Committee on 12 June 2016.

7. Nominations of Officers and Secretariat for 2016-2020

(Elections at 39th meeting)

- Nominations and voting conducted in accordance with OP1. A call for nominations had been issued to all member societies. Nominations had been reviewed at the Executive Committee, the AGM and then the PGPC. No further nominations were submitted.
- Nominations were as follows:
- Chair: Sajeesh K Babu
General Secretary: David Gilbert
Treasurer: G Aufricht
World Conference President: Younho Cho
Secretariat: BINDT
The PGP require 2 elected members, and there are 3 nominations – Sharon Bond, Terry Clausing and Les Dick.
- John Maccarone will stand down as auditor and both Doug Marshall and Werner Schmid were nominated to become auditors.
- Further nominations:
Chair membership Committee: João Conte
Chair CEC: Harold Jansen
Chair WG1: Qualification & Certification: Alexander Mullin
Chair WG2: Education & Research: Manfred Johannes
Chair WG5: Radiation Safety & Security: Matthias Purschke
Chair WG6: Condition Monitoring & Diagnostic Technologies: Terry Clausing
- Nominations to PGP by Regional Groups
Africa (AFNDT): Mourad Zergoug and Harold Jansen
Asia-Pacific (APFNDT): Nori Ooka and J-P Lee
Europe (EFNDT): Peter Trampus and Matthias Purschke
Pan America (PanAmNDT): Arny Bereson and Cesar Belinco

8. ICNDT Awards and Honorary Membership

8.1 Summary of ICNDT Awards presented at the Opening Ceremony

- Details of the Awards presented at the Opening Ceremony are detailed in the Table below.

ICNDT AWARD		WINNER	RUNNERS-UP
ROENTGEN AWARD	For major contribution to science and technology of NDT	Tony Dunhill	NPO ENERGO MASH
HAVERCROFT AWARD	For a major contribution to NDT Education, Training and Certification	Roger Lyon	Anatoly Gourvich
SOKOLOV AWARD	For a major contribution to NDT Research	Hermann Wüstenberg	Bruce Drinkwater and Paul Wilcox Valentin Kaloshin
YOUNG ACHIEVER AWARD	For achievement of young people in NDT	Alexander Machikhin	Katy Milne
PAWLOWSKI AWARD	For a major contribution to the promotion of NDT Internationally	Mike Farley	Vjera Krstelj Makoto Ochiai Vasily Sukhorukov

8.2 Approval of Nominations for Honorary Membership (confirmation of recommendations by Chair)

New Honorary Members proposed by the Chairman are detailed below:

David Gilbert - for his support to ICNDT and EFNDT

Vjera Krstelj - for her services to the Croatia NDT Society, EFNDT and ICNDT for more than 35 years

Dr Matthias Purschke - for services to EFNDT and ICNDT and his Presidency of the 19th WCNDT

Sharon Bond - for her services to ICNDT since 2000 (including the 16th WCNDT) and her work with ISO TC135 SC7

Joao Conte - Chairman of the ICNDT Membership Committee and a leader in the Pan American Committee

Sajeesh Kumar Babu - General Secretary of ICNDT and active member of the Asia Pacific Federation

Alexander Mullin - Chairman of ICNDT WG1 Qualification and Certification

- Dr Farley urged all to think about making nominations for the awards in 4 years time.
- Dr Farley also thanked everyone for nominating him.

9. Membership

9.1 New Members and applications

- AMEXENDE (Mexico) were approved as an Associate member.
- Agreement had been reached with Iranian societies: IWNT (Iranian Society for NDT and Welding) was approved as Associate member, and IRNDT (Iranian Society for Non-Destructive Testing) Full member.

- Contact had been made with institutions in Latin America that develop NDT activities in countries that do not have national NDT Societies: ESPOL/Ecuador, CEADEN/Cuba and ITCR /Costa Rica.
- Contacts had been made with the African Federation of NDT to support its associates to become members of ICNDT: for example Angola and Egypt.
- An application from Azerbaijan was progressing.

9.2 Membership Committee Action Plan

- There are a number of actions on the strategic plan for support of societies, and the first aim is to set up workshops in conjunction with conferences to share best practice. Developing societies will benefit from these workshops.
- Suggestions for venues and locations would be appreciated.
- Some activity has taken place in South and Central America with workshops and there has been a lot of interest (as reflected above - New Members). These will be developed.
- A workshop is being planned for the AFNDT Conference in Algeria in November.
- A very useful workshop on education and training was held in Mumbai in 2013.
- For societies that do not have a website, ICNDT can offer a 'shell scheme', that provides the infrastructure to have a presence on the website at no cost.
- There will also be a mentoring service for societies that require it. Societies that would like to become a mentor, or indeed require mentoring should contact the General Secretary.
- A directory of National Societies is available on the website, and everyone should have received a form to update their Society details.

9.3 Report on Liaison Members

The Table below summarises the liaison members and their status.

Organisation	Formal/ Informal	Active or not	ICNDT nominee(s)	Comment
ISO TC135	Formal	Active	ICNDT Chairman	
ISO TC135 SC7	Formal	Active	ICNDT Chairman	
ISO TC108 SC5	Formal	Active	Terry Clausing	
IAEA	Informal	Active	ICNDT Chairman and Treasurer	
IIW	Informal		Alexander Mullin	New nominee
WINS	Informal	Active	Matthias Purschke	New action in progress
WFNDEC	Formal	Not active	WG2 Chair	
WCI	Formal	Not active	WG5 Chair	Relatively new
Academia NDT	Informal	Active	ICNDT Chairman	
ISCM	Formal	Active	WG6 Chair	

10. Reports on ICNDT actions in accordance with the Strategic Plan

10.1 Strategic Plan 2012-16

- The plan was approved in Durban, refreshed in Prague and each Working Group has been working in accordance with the strategic plan.

10.2 Internet/Website/Journal

- Thanks were extended to the members of the task group
- ICNDT journal published 3 times a year in April, June and September
- Corresponding deadlines are end of February, April and July
- The journal is a vehicle to inform about activities and the developments of all member societies
- Articles and case studies are invited
- There is a facility to embed the journal on to own societies' websites.
- Thanks extended to Sharon Bond for her assistance in collating material for the journal and to BINDT and its Publishing department for its help in producing the journal.
- New guides had been published – Guide to Education and Training, Guide to Research and Development in NDT, Guide to Qualification and Certification of Personnel for NDT (brand new version), Guide to Qualification and Certification of Personnel for CM – and also a corporate ICNDT leaflet.
- The above guides are also available for download from the website.
- Work continues on mapping external bodies.
- Dr Farley will circulate to members a list of external bodies interested in ICNDT. The list will be used to promote the Guides and distribute copies.
- We will use our resources to improve the presentation of NDT, CM and ICNDT on Wikipedia. The resource is used widely and information should be kept updated.
- Publications are produced as and when required and any suggestions would be welcomed.
- Dr Farley thanked David Gilbert and his group for working on these projects.
- The website is a valuable resource for material and information and to act as a link for regional societies.
- Each society is requested to ensure there is a prominent link to icndt.org on their website
- Upgrade the website – this is important as it is one of the main vehicles to promote ICNDT and NDT. Should any society have material please forward to David Gilbert for upload.
- Resources – external organisation that have an interest in NDT. We would like to expand and develop these.
- Those in attendance were encouraged to register on the ICNDT website if they had not already done so.
- There is a Register of Research Bodies and all societies are invited to help us to make it more comprehensive. Bodies wishing to register should complete the form on the website in the Resources Section.
- Details of Specialist Groups will be available along with links for documents and resources.

- An Events Calendar is available to allow a Society to input its own information on forthcoming events. This can be uploaded directly or forwarded details to David Gilbert.
- ICNDT Facebook pages are available and growing in importance along with other social media. Sharon Bond was thanked for setting this up and maintaining the page. Members were encouraged to this development this by visiting and 'liking' the page.

10.3 WG1 – NDT Qualification and Certification

- WG1 contributed to the new edition of the Guide to Qualification and Certification of Personnel for NDT
- A guide to recommendations for practical examinations has been agreed by WG members and will be presented for approval of IEC.
- The list of ISO and EN standards has been kept updated.
- The relevant Operating Procedures have been updated.
- A document on clarification of functions and responsibilities of certification bodies was under development.
- CP106 and the ASNT standards were reviewed after Prague and the comments received were useful.
- India (ISNT) proposed to appoint a representative to the WG and was invited to complete an application for consideration.
- ASNT's CP106 was not fully compliant with ISO 9712 and WG1 is working on a gap analysis.
- Dr Farley extended his thanks on behalf of the International Committee to Alexander Mullin and his committee for all the hard work undertaken and completed.

10.4 Certification Executive Committee (including vote of thanks to retiring Chair and Secretary)

- See accompanying report.

10.5 WG3 – Research and Education Committee

- See accompanying report.

10.6 WG5 – Radiation Safety and Security

- See accompanying report.

10.7 WG6 – Condition Monitoring and Diagnostic Technologies

- Terry Clausing reported on WG6, confirming it to be an honour to co-Chair this group with Prof Len Gelman.
- The first meeting was held in Oxford, UK last year.
- Discussions took place on 'what is Condition Monitoring' and it was acknowledged there is no clear difference between condition monitoring and NDT. The CM work undertaken on wind turbines and NDT work undertaken on helicopters was a prime example.
- The next meeting for WG6 will be in Paris in October 2016 at the Condition Monitoring Conference.

11. 21st World Conference 2024

- Presentations were made by potential hosts for the 21st WCNDT – AAENDE (Argentina - Buenos Aires) and ASNT (USA - Miami)
- Elections will take place at the 39th meeting.
- Dr Farley congratulated both Societies on their presentations.

12. Reports from National Societies

- The reports will be presented on Thursday 16th June at the 2nd General Assembly meeting.
- All reports will be available on the website.
Australia and Singapore signed an agreement before those assembled, witnessed formally by Dr Ooka.

13. Other business

Mr Nardoni asked how many members are using the question bank – it was confirmed 5 at this time. The EQB is available for purchase by Personnel Certification Bodies (PCB) meeting two main requirements:

- i. The PCB has been proposed by a member of ICNDT that is a signatory of the ICNDT Multilateral Recognition Agreement (Operating Procedure OP 19 Schedule 1).
- ii. The PCB has registered in the ICNDT Multilateral Recognition Agreement (Operating Procedure OP 19, Schedule 2), or committed to apply for registration.

The ICEC Secretary Tony Wooldridge is the contact for enquiries.

Gratitude was extended to both Patrick Fallouey and Robin Shipp and Harold Jansen was also thanked for his role in assisting.

14. Adjournment

- The next meeting will be held on Thursday 16th June at 1pm.