



The Official  
Journal of the  
**International  
Committee for  
Non-Destructive  
Testing**

January 1999 – Issue n. 1

*The world Organisation for NDT*

# Celebrating

## 45 years of continuous work for developing NDT in the world

*The ICNDT. Its history, its new Constitution, its objectives, its plans, the valuable work of its members moved by an incomparable volunteer efforts*

The world-wide spreading of Non -destructive Testing Technologies, the promotion of foundation and growing of National NDT Societies, the link up with Institutions and Authorities, the global mutual recognition of certification schemes inspired to ISO 9712, the recommendations for the various aspects of NDT, the promotion of research for advanced techniques to solve incoming problems, are the major items that will shape the activity of ICNDT in this eve of the 3<sup>rd</sup> Millennium.



**Mr. B. Ray**  
*Past President  
of ICNDT,  
President of  
PGP Committee*



**Mr. M. Farley**  
*General Secretary  
of ICNDT*



**Prof. Zdzislaw  
Pawlowski**

*Prof. Pawloski  
passed the 21  
October '98.  
The Members of  
ICNDT and the  
whole NDT Com-  
munity remained  
attoncsbed.  
Present in Copenhagen '98, he was  
honorary Member of ICNDT and  
one of the founder of the Committee.  
In 1972 he was **President of  
ICNDT** and organized the 7<sup>th</sup>  
World conference in Warsawia. He  
was Professor of Mechanical Engi-  
neer and founder of the NDT Society  
of Poland. He did a **magnificent  
work** through the years for promo-  
ting the **friendship** around the  
world.*

Thanks dear Pawlowski

### My Dear colleagues of ICNDT



*The ICNDT secretariat  
received recently a letter  
from a group of engineer  
of Vietnam asking news  
on ICNDT. They are  
going to establish the  
Vietnam NDT Society!*

*This has been for me, and I am sure for all  
of you, a wonderful Christmas gift. This is  
the expression that our efforts in making  
ICNDT a world wide family for every-  
body, for every country involved in NDT,  
have been addressed in the right way.*

*Dear Members, thanks for your work,  
thanks for your suggestions, thanks for  
your intangible messages I receive from  
you every day.*

*In this eve of the 3<sup>rd</sup> Millennium in spite  
of many dramatic problems arising on our  
daily life, the incoming scenario is more  
than ever oriented to a will of peace. We  
have to believe in it and work for it.*

*As ICNDT Members we have contribu-  
ted, although for a very small part, to  
achieve these new scenarios.*

*Thanks my Dear Friends! To you and  
your families the best greetings for a  
fruitful '99 of joy and prosperity.*

Your G. Nardoni



Dear  
**Kofi Anan**  
*General Secretary of United Nations*

You are the General Secretary of  
UNO the worldwide organisation to which  
we will refer more and more for our living  
in conditions of pace and equality.

I am the President of ICNDT the worldwide organisation, to which we refer in matter of Nondestructive Testing, the techniques to prove the integrity of products, plants, aircrafts, civil constructions etc.

In the occasion of giving up our first Journal we are honored to take to your attention our activity, our problems, our capacity in preventing disasters in the different fields.

Never as now the voices of INTERNATIONAL INSTITUTIONS are called for global solutions, global views, global rules.

With our journal we believe to be closer to the people of the NDT Community in their needs.

The foundation of the EFNDT (European Federation for Nondestructive Testing), the PACNDT (Pan American Committee for NDT), the PPCNDT (Pan Pacific Committee for NDT) and the incoming PMEA-CNDT (Pan Meadle East - Africa Committee) are the expression of our

will to strength together the world NDT Community.

We are proud to offer to your Organisation all our technical supports for any of the miriades of cases in which reliability and safety are called for priority.

As we will proceed with our activity in the international scenario we will take you informed.

We are fully convinced that UNITED NATIONS are what you clearly stated in your speeches as hereafter reported:

- Only a global organisation is capable of meeting global challenges.
- The UNITED NATIONS is a noble experiment in human cooperation.
- In every corner of the world, in every village and city and community, the UN is a living testament of hope. The UNITED NATIONS lives in the heart and mind of every citizen striving to end violence and promote tolerance, advance development and ensure equality, protect uman rights and alleviate poverty. The UNITED NATIONS at it best, enables the achievements of highest human aspirations.

*Thanks, dear Kofi Anan for your attention, we wish you all our best to your efforts in reaching the intangible ideals of your mission.*

*You will be our honourable guest in Rome for the World Conference we are organizing on 15/21 october 2000!*

### Antwerpen 1955, Rome 2000: the growing itinerary of ICNDT



*Prof. P. De Meester  
(Belgium)*

The first light of International Committee for Non-Destructive Testing was in 1955 in Antwerpen (Belgium), where a number of experts met to discuss achievements of research and technology improvements in radiography. An initiative undertaken and funded by Gevaert, the film manufacturer now days AGFA. Among the pioneers of those days we remember Prof. Homes (Belgium), Dr. Tenney (USA), Prof. Moravia (Italy), Prof. Bastien (France).

The plan to hold a world conference on NDT was just thought at that meeting. On the purpose, the ICNDT was established with 15 Countries promp-

tly embracing the idea to world-wide spreading NDT technology. Then, the first World Conference was held in Belgium (Brussels, 1955) in acknowledgement of its praiseworthy efforts previously undertaken in hosting the first NDT international event. Further 13 NDT World Conference have been held in the listed Countries.



*(l-r) Paul Bastien, Giorgio Moravia, Georgés Homes e Kurt Fink.*

YEAR	CITY	COUNTRY
1955	Brussels	Belgium
1958	Chicago	U.S.A.
1960	Tokyo	Japan
1963	London	U.K.
1967	Montreal	Canada
1970	Hanover	Germany
1973	Warsaw	Poland
1976	Cannes	France
1979	Melbourne	Australia
1982	Moscow	Russia
1985	Las Vegas	U.S.A.
1989	Amsterdam	The Netherlands
1992	Sao Paulo	Brazil
1996	New Delhi	India
2000	Rome	Italy



*U. Deschaumes  
(Agfa - Antwerpen)*

The next World Conference, the 15<sup>th</sup>, will be hosted, for the first time, in Italy. Consequently, the Italian Society for Non-destructive Testing, has now in charge the presidency of ICNDT. In this frame, Italy is engaged in reorganisation of ICNDT, giving to it a legal status, a permanent secretariat, structure and force to solve problems relating to the new scenarios of globalisation. Neither single country nor regional groups are no longer to do it!

**ICNDT**

ICNDT Publication

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Fax ++39 030 3739176

THE EUROPEAN FEDERATION FOR NONDESTRUCTIVE TESTING

## The Prophetic Dream of Firenze '84

From European Council for NDT (ECNDT) (Firenze 1984) to European Federation for NDT (EFNDT) of all the Countries of Geographical Europe (Copenhagen 1998)

In Copenhagen, during the European Conference on NDT (May 25-29, 1998) the representatives of 27 Countries of extended Europe adhered to the foundation of European Federation on NDT (EFNDT) as further scope development of the European Council for NDT (ECNDT) created in Firenze in 1984.

After European Conferences on NDT of Mainz (1978) and Vienna (1981), during NDT European Conference held in Firenze (1984), the NDT Italian Society (AIPnD) founded the ECNDT (European Council for NDT) which included all the Countries of geographical Europe.

From then on ECNDT enlarges its activity and strengthens the relationship among NDT sister Societies and Institutes.

Further European Conferences were organized in London (1987), Nice (1994) and Copenhagen (1998) They played a leading role in assuring the NDT scientific production continuity and the growth of NDT European Community. In these years, numerous ECNDT meetings were held. They allowed to focus many problems of NDT Community and particularly the problem of harmonisation of personnel qualification and certification schemes. On this subject in Nice (1994) a memorandum of understanding for Multilateral Recognition of Certification was signed. This agreement has been acknowledged by the present European Federation during the recent European Conference held in Copenhagen.

The EFNDT, whose constitution will be formalised in the frame of Belgian legislation, pursues the following aims:

- to promote in all European Countries all NDT aspects (technology research and development, information, training, actions devoted to improve quality and reliability of products and services obtainable by NDT);
- to contribute to knock down technical barriers;
- to act as mouthpiece of NDT Community in Europe, and to favour exchanges and contacts among NDT European Societies and Organizations of other geographical zones;
- to attend at meetings, seminars and conferences organised in cooperation with competent institutions, especially with European Commission;

- to organise seminars, meetings, conferences, in particular the European Conference on Non Destructive Testing (ECNDT), and to publish reviews or proceedings of meetings;
- to undertake studies inside the working groups;
- to set up personnel certification european systems, armonizing national systems and assuring their good performance.



D. Schnitger (Germany)

The organigram of Federation provides:

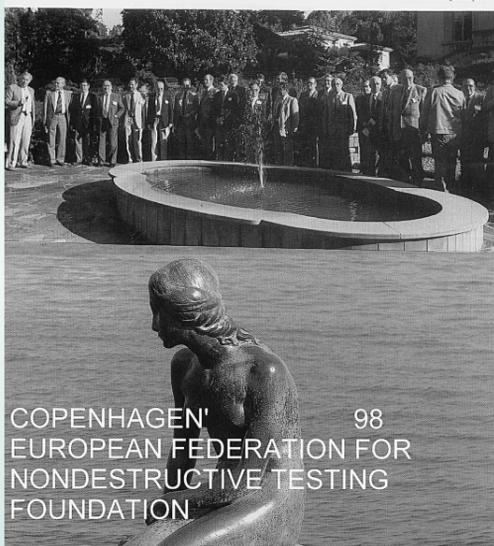
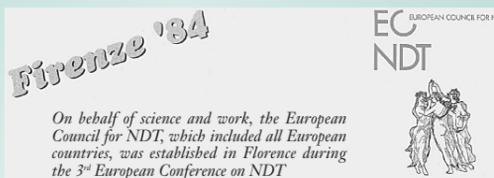
- general assembly, at which attend the representatives of the 27 Countries;
- board of directors;
- secretariat;
- advisory committee.

The secretariat has been assigned to German NDT Society (DGZfP).

The board of directors, during its first meeting held in Copenhagen, also appointed the places which will host next European Conferences on NDT: Barcelona (June 17-21 2002) and Prague in 2006.

### EFNDT BOARD OF DIRECTORS

President	D. Schnitger (DGZfP)
Vice-president	B. Larsen (Danish Society for NDT)
Members	F.X. Deliege (BANT)
	J. Farley (BINDT)
	G. Nardoni (AIPnD)
	V. Kljuev (RSNTTD)
	R. Reisse (COFREND)
	V. Krstelj (CrSNDT)
Treasurer	E. Romero (AEND)
Secretariat	DGZfP

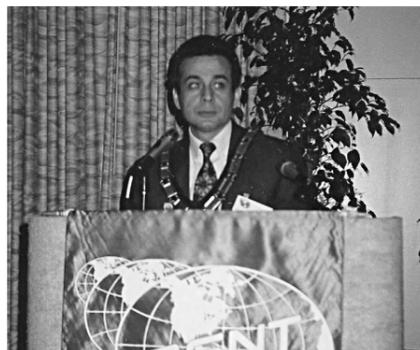


The members of the Board of Directors of the EFNDT just after the election. (l-r) Deliege (Belgio), Nardoni (Italia), V. Krstelj (Croazia), Schnitger (Germania), Larsen (Danimarca), Kljuev (Russia), Reisse (Francia), Farley (Regno Unito).

### EVENTS

#### ANAHEIM - California

The ASNT's 1998 Spring Conference and the 7th Annual Research Symposium, in conjunction with the 9th Asia-Pacific Conference on Non destructive Testing have been held in Anaheim, California, last March. Meetings of international level have been held during the Conference; among these, in great evidence the meetings of ICNDT Task



P. Sadek, ASNT President.

Group on Harmonisation of certification, of PPCNDT (Pan Pacific Committee for NDT) and ACCP (American Central Certification Program), that is considered as the USA first step toward the certification of qualification tests according to ISO 9712 and EN 473. Besides the outstanding certification scheme based on SNT-TC-1A the new American Central Certification Program starts its growing to meet ISO 9712 currently adopted by European countries (according to Berlin Agreement signed on 1997).

#### TORONTO Alliance of the Americas

A meeting of ICNDT - PGP (Policy and General Purpose Committee) has been held on Monday 14 September 1998 in Toronto in conjunction with the Pan American Conference on NDT.

The ICNDT President Mr Nardoni acting as a chairman and the General Secretary Dr Farley managed the works.

The **mutual global recognition** for personnel qualification and certification and the **new Constitution of ICNDT** were the main topics discussed at the meeting. An atmosphere of large convergence of opinion allowed to make great progress about the above topics.

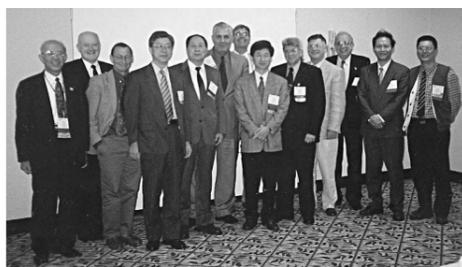
#### MINSK - CM NDT '98

The Second International Conference on Computer Methods and Inverse Problems in NDT and Diagnostics has been held on 20-23 October 1998 in Minsk, the capital of Belarus.

The themes of inverse problems is a topical subject and will become more and more interesting for NDT as the application of computerised systems to material evaluation will increase.

More than 100 people attended this conference, mostly coming from Russia, Bielorussia, Germany, United Kingdom, France, United States, Spain and Italy.

This important conference fully met the success, and for the future it is expected it will become an around the world moving conference.



Members of the PGP Committee after the meeting in Anaheim.



Members of PGP Committee in Toronto last september.

#### ISRAELI

The Israeli National Society for Non Destructive Testing (ISRANDT) has been formally established in Tel Aviv last June 1998.

Dr Gavriel Shoef has been appointed as Founder President in acknowledgement of its continuous efforts to pursue this goal.

Mr Nardoni in his official capacity of ICNDT President has been invited at the event and also attended, on the occasion, the 1st Congress and Conference on NDT organised by ISRANDT. More than 150 people coming from industry, research centres and universities attended the Conference with visible satisfaction for the successful event.



From left to right: The President of Israeli Society of Metallurgy; the President of Bulgarian NDT Society; the ICNDT President; the Chancellor of Israeli University; Mr Shoef Jr; Mr Shoef Sr President of ISRANDT.

### ICNDT Presidency

The Italian Society for Nondestructive Testing (AIPnD), as organiser of the next World Conference in Rome, received the ICNDT presidency in



T. Liithi (Switzerland)

New Delhi on December 1996 by the Past President Baldev Raj. As a consequence the current ICNDT President Giuseppe Nardoni through out the AIPnD, is now in charge to establish the former permanent secretariat of ICNDT. On behalf of ICNDT, the Italian Presidency formally started its activity hosting the 25<sup>th</sup> meeting held in Copenhagen on 27<sup>th</sup> May 1998 in conjunction with the 7<sup>th</sup> European Conference on Nondestructive Testing.



J. Obráz (Czech Rep.)

Delegates and observers from 30 countries attended this meeting.

### ICNDT new CONSTITUTION

President Nardoni presented a draft of the ICNDT CONSTITUTION to be adopted following revision and final approval by the full Council.



F. Fuscok (Hungary)

# COPENHAGEN '98 HOST THE 25 ICNDT MEETING

*Presented and discussed the new constitutions of ICNDT for the 21 Century and future activity*

Discussion took place about needs to extend the ICNDT membership to those Countries till now not represented i.e. Arabians, Africans and South-East Countries. The role of ICNDT should be to produce efforts in promoting foundation and growing of new NDT societies in those Countries where they have not



J.M. Araya (Costarica)

one yet. A special Task Group has been constituted for the purpose with Mr Marshall acting as a Chairman.

### The PGP Committee

The meeting in Copenhagen also pointed out the usefulness of Policy and General Purpose Committee (P&GP), formed by honorary Members from ICNDT, which has in charge to define policies and strategies for ICNDT. The current P&GP President is Dr. Raj from India, past President of ICNDT, meanwhile the secretary is Dr. Farley from UK.



The participants to the PGP Committee meeting in Copenhagen '98 during the European Conference

### ICNDT Activity

The main activities of ICNDT has been confirmed to be as the following:

- to create a common framework for personnel certification schemes, which comply with ISO 9712, in order to reach the goal of a MUTUAL GLOBAL RECOGNITION;
- to establish permanent relations with standard body like ISO, CEN, ASME;
- to propose research programmes on specific NDT problems;
- to issue recommendations on general purpose subject, i.e. minima requirements of technical knowledge and examples of practical examina-



H. Sana (Banglades)

tion. On the purpose, President Nardoni asked to those present to provide two examples of examination test adopted by own national bodies;



M.J. Fytos (Greece)

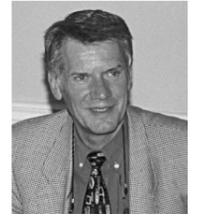


F. Herelli (Tunisia)

- to set up a network (via Internet) to be used to exchange information and to published notices on WCNDT/ICNDT.

### ICNDT Continental Group

Finally, the international Committee recognised advantages rising from the constitution of continental groups like the Pan American Committee for NDT (PANNDT), the Asian Pacific Committee for NDT (APCNDT), as well as the European Federation for NDT (EFNDT). The foundation of the first nucleo of Middle East-Africa Committee is expected for the 1999.



J. Boogaard (Netherlands)



Maria Gebrael - J.A. Conte (Brasil)

### ICNDT Constitution key points

#### Scope

ICNDT is a non profit organisation devoted to the international development of the science and practice of Nondestructive Testing, in conjunction with individual NDT Societies and recognised Continental groupings of NDT Societies. ICNDT's activities are dependent on the voluntary actions of its Members.

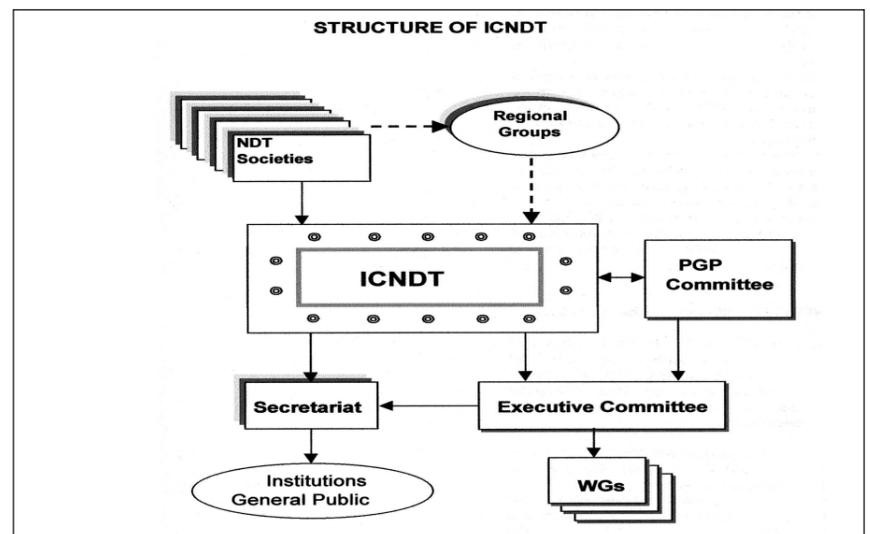
#### Objectives

- To be the international organisation that acts as prime focus on Non-Destructive Testing for the benefit of the involved Community and Public in general.
- To promote international collaboration in all matters relating to NDT.
- To encourage the foundation, growth, development and co-operation of National and regional NDT Societies.
- To assign the place and organisation of the World NDT Conference to an appropriate NDT Society or group of societies, at intervals of four years.
- To establish with Continental groupings of NDT Societies initiatives for implementing ICNDT policy.
- To encourage the formulation of International Standards on Nondestructive Testing in collaboration with the International Standards Organisation, and other standards bodies.

#### Membership

The Members of ICNDT are legally established National NDT Societies and NDT Societies representing Regions (which may be parts of very large Countries or groups of small Countries), whose applications are accepted by ICNDT.

Societies that wish to join the Committee shall make written application to the President, and their application shall be voted on by the International Committee at its next meeting, following review by a Membership Working Group nominated by the Policy and General Purposes Committee (P&GP).



### The ICNDT Secretariat

On behalf of ICNDT, a permanent secretariat is now operating on-site in Brescia-Italy, supported by the Italian Society for Non-destructive Testing (AIPnD).

The ICNDT President Mr. G. Nardoni has appointed as pro-tempore Technical Director Mr. Sergio Ghia formerly member of board of directors of AIPnD.

Mr. Ghia will manage the secretariat in close collaboration with the ICNDT President and under the steering of the General Secretary Mr. Farley from UK.

The secretariat will offer assistance, guidance, and advice for any problems included within the scope of the International Committee for NDT. World-wide membership is invited to contact the ICNDT secretariat by using one of the following:

Fax ++39 030 3739176 E-mail: aipnd@mail.protos.it  
 Phone ++39 030 3739173 Mail: AIPnD - Via Foresti, 5A - 25127 Brescia (Italy)



S. Ghia (Technical Director of ICNDT)

**All NDT Society are invited to send its legal constitution to ICNDT for preparing the directory of ICNDT membership.**



# 15<sup>th</sup> World Conference on Non-Destructive Testing

Roma (Italy) - 15-21 October 2000

Major sponsor **AGFA** 

## Hotels Reservation

1500 rooms reserved!  
300 rooms are already booked!  
Do not hesitate!  
Book now! You will have better accommodation close to the congress hall.  
Call our Agency, Mrs Daniela Zibellini will help you.

### TRIUMPH P.R.

15<sup>th</sup> WCNDT  
Via Proba Petronia, 3  
00136 ROMA (Italy)  
Tel. ++39 06 39727707 - Fax ++39 06 39735195  
E-mail: triumph@tin.it



The Papal audience. Presentation of the NDT Community to JOHN PAUL II

## The Congress Hall

The Conference is hosted in the Centro Congressi of Roma located in the beautiful hill of Roma Eur. Easy to reach from each part of Rome.

- 15' by *underground* from railway station.
- 40' by *underground* from Fiumicino International Airport
- 30' from San Peter Basilica.

Green garden with artificial lakes are close to the Centro Congressi



## Facilities in the Centro Congressi

- Level 0:** Travel Agency, Change Office, Bar, Bank etc.
- Level +1:** Eight Conference rooms  
ICNDT meeting room, living room for accompanying people.  
Bar - Coffee break.  
NDT Society stands, Authors meeting rooms, slide Center.
- Roof:** View of Rome, green garden with olives trees!  
Relaxing area, Sandwich Bar, small restaurant.

The welcome concert in S. Cecilia for the Greetings to participants.  
Sunday 15 October 2000 time 4 p.m.



The visit to S. Peter Basilica walking through the Holy door open for the Jubileo.



The banquet of the Conference will be held in an ancient villa on Monte Mario hill, Wednesday 18 October 2000 at 8 p.m.

## The exhibition

2000 square meter available!  
1300 square meter already booked.  
*Do not wait!*

Choose your area to exhibit your products!  
It will be a real investment for your business.

## Authors of technical papers

Authors are called to present title and summary not later than December 99  
*Do not wait!*

Send your titles and summary as soon as possible!  
Early submission of titles and abstracts are highly suggested for a better organisation of the technical program.

## ICNDT

G. Nardoni President

Via A. Foresti, 5A - 25127 BRESCIA (Italy)  
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Hello!  
Ciao!  
Come to Roma!

secretariat of the Conference:

## AIPND

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