

11th European Conference on Non-Destructive Testing



11th ECNDT

PRAGUE 2014

October 6 - 10, 2014

Czech Republic

EF European Federation for
Non-Destructive Testing
NDT



Czech Society
for NDT

Second Announcement

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Welcome Address for the 11th ECNDT 2014 in Prague

The European Conference on Non-Destructive Testing (ECNDT) has a long tradition. The 11th ECNDT, to take place in Prague in 2014, is being organised by the Czech NDT Society (CNDT) and is promising to be another highly successful event for the European NDT community. I am delighted to cordially invite all colleagues to plan their attendance. We can be confident of a conference that will meet our high expectations in all key matters: technical programme, exhibition, venue and attendance.

The European Conference always highlights the importance of NDT in our daily lives in our hi-tech societies. It is the event for exchanging experiences with colleagues on a European level, to get in touch with the latest results in

science and to learn more about new equipment from the NDT equipment manufacturers. To keep right up-to-date with all aspects of NDT, make this event part of your plans. See you at the 11th ECNDT in 2014!



Matthias Purschke, EFNDT, President



European Conference on NDT (ECNDT)

is organised by the European Federation for NDT (EFNDT) in cooperation with one elected national NDT Society every four years. EFNDT General Assembly in January 2009 entrusted the Czech Society for NDT (CNDT) with organizing the 11th ECNDT in the year 2014. As the conference venue was chosen capital

of the Czech Republic Prague on October 6-10.

This choice is acknowledgement of the long-year international activities of CNDT in the field of NDT/NDE methods development, standardization, certification, and education. It is not only acknowledgement, but also big liability, which cannot be fulfilled without great support of the active participants, exhibitors, and sponsors.

The conference, joined with large exhibition of NDT technique and services, will provide the good opportunity to present the latest research results and the newest NDT technique along with current applications. It will be also a nice chance to showcase the Czech Republic as a heart of Europe with its magical city Prague.

We believe that the 11th European Conference on NDT will provide a big forum for the meeting of NDT specialists, researchers, students, and all common users of NDT techniques and services from around the world.

We hope that also you will participate at this outstanding NDT/NDE event.

ECNDT 2014 Organising Committee



European Federation for NDT (EFNDT)

The overall mission of EFNDT is to bring together the resources of the individual national societies and organisations in the field of NDT in Europe to create a more effective and more valuable voice for the NDT industry, the NDT profession, users of NDT and the wider community. EFNDT was founded in May 1998 in Copenhagen at the 7th European Conference for Non-Destructive Testing (ECNDT). 27 national NDT societies agreed to set up a powerful organisation on European level. EFNDT is currently comprised of 32 full members and 7 associate members. Full membership is open to national NDT societies, one per country. Associate membership is open to all applicable organisations worldwide. EFNDT is a non-profit association registered in Brussels.

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ECNDT 2014 - COMMITTEES

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The Committee will be established from representatives of ECNDT 2014 sponsors.

ORGANIZING COMMITTEE

Chairman:

Pavel Mazal

Members:

Marta Korenska
Libor Kusak
Libor Nohal
Lubos Pazdera
Pavel Turek
Daniela Turkova

ORGANISING SECRETARIAT - CONTACTS

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Conference Chairman

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European conferences on NDT 1978–2010

**1st ECNDT**

1978, Germany, Mainz

**2nd ECNDT**

1981, Austria, Vienna

**3rd ECNDT**

1984, Italy, Florence

**4th ECNDT**

1987, UK, London

**5th ECNDT**

Canceled, Yugoslavia, Sarajevo

**6th ECNDT**

1994, France, Nice

**7th ECNDT**

1998, Denmark, Copenhagen

**8th ECNDT**

2002, Spain, Barcelona

**9th ECNDT**

2006, Germany, Berlin

**10th ECNDT**

2010, Russia, Moscow

CONFERENCE OVERVIEW AND BASIC TOPICS (NDT, NDE, NDI, NDC, Diagnostics)

CONFERENCE STRUCTURE

Invited Keynote lectures on Various Topics
Regular Parallel Sessions
Special Sessions
Poster Session
Meetings (Academia NDT International, CEN/ISO,...)
Workshops and special meetings
Minisymposia (Waves Propagation Modelling, ...)
Exhibition of NDT Equipment and Services

General

Education, Training and Certification
Standardization / Regulation
Reliability and Validation of NDT
History of NDT

NDT Techniques, R&D

Acoustic Emission
Electromagnetic Testing, Eddy Current
Magnetic Particle Testing and New Magnetic Methods
Microwave Testing
Infrared and Thermography Techniques
Visual and Optical Testing, Holography, Shearography
Radiology and Radiography, Radiation Protection
Computed Tomography
Ultrasonic Testing, Guided Waves
Nonlinear Acoustic and Ultrasonic Methods
Vibration Testing
Liquid Penetrant and Leak Testing
Signal Processing, Time Reversal Techniques
Imaging and Image Reconstruction
Transducers and Sensors
NDT Modelling

Application areas of NDT

Novel Applications of NDT techniques
Public Safety, Residual Life Prognosis
Mining
Metallurgy
Transportation (Railway, Aeronautic and Aerospace, Marine)
Offshore
Civil Structures, Concrete
Power Generation and Energy Resources (Nuclear, Fossil, Regenerating)
Chemical / Petrochemical industry
Pressure Vessels and Pipelines (Production and In-Service Inspection)
Wood and pulp industry
Security, Surveillance
Biology and Medicine
Conservation and Restoration in Art and Architecture
Science and Research

Materials characterization

Microstructure
Fracture and Degradation of Materials
Corrosion and Bonds
Metals, Composites, Polymers, Ceramics, Wood, Rubber, Concrete

Structural Health and Condition Monitoring

Condition Maintenance
Diagnostics and Prognosis, Ecological Diagnostics
Structural and Machine Health Monitoring
Artificial Intelligence in Diagnostics and Monitoring
Process Monitoring and Control

MINI-SYMPOSIA, WORKSHOPS

Additional proposals to organize mini-symposia and workshops on specific topics are invited. Please contact the Conference Secretariat.

CONFERENCE PROCEEDINGS PUBLICATION

The organisers of the 11th ECNDT invite researchers, users, manufacturers and service providers from all fields of non-destructive testing and related fields to actively participate in organizing an interesting and informative program and to submit their oral or poster presentations. Authors are invited to submit their abstracts and papers in electronic files for inclusion in the Conference Proceedings provided on a DVD at the Conference. Proceedings will be also on-line public-open after the conference at the www.ndt.net.

Information on the deadlines, length and format of the abstracts and full papers will be available at the Conference website.

SOCIAL PROGRAM

In addition to technical conference sessions, a comprehensive social and entertainment program will be prepared. This program will ensure to all delegates the opportunity to develop their own professional networks, renew contacts and hold discussions. A supplemental program will be prepared for participants and their accompanying persons (excursions, trips and tours).

Czech Republic

Ancient towns reflecting the rich history of Central Europe in the past millennium, stone castles and ruins on rocks, splendid chateaux surrounded by fancy parks, noble religious monuments, folk architecture and traditions, museums, galleries, music events, cultural festivals, cosmopolitan Prague, health-conscious spa towns and peace and tranquility in the country. Included in active vacations there are numerous sporting activities, adrenalin to order, many shopping opportunities with the latest European trends, culinary adventures, interesting national cuisine and famous Czech beer.



This is the Czech Republic - original scenes for your travelling experience. Historical towns not only Czech rulers, but also national and foreign aristocracy and, later, the ever-more powerful bourgeoisie boasted their power and wealth. Forty Czech towns have maintained their historical downtowns intact; now, they are protected as conservation areas. But you will surely find interesting and well maintained monuments and unique architectural pearls in any large or small town. The most attractive towns include Český



Krumlov, a unique Gothic-Renaissance town with narrow medieval lanes and a large castle over the river (the second largest castle after Prague Castle); Kutná Hora, a royal town that became



rich in the Middle Ages from silver-mining; unique pearls of Renaissance, the towns of Telč and Slavonice; the archiepiscopal towns of Olomouc and Kroměříž; the winery-towns of Znojmo or Mikulov; and the center of South Moravia - Brno.

Prague

It is said to be one of the most beautiful cities in the world. The hundred-spired pearl, the magic mother of towns. Its rare, well-maintained and mutually interlocked architecture of all styles depicts eleven centuries of medieval history. Just like the splendid stone bridge connects both banks of the river Vltava, Prague is the place where the Czechs, Germans and Jews had lived ever before; it is an inter-section of Europe where tradesmen, politicians, scholars and artists from all over the world have met. The special inspiring atmosphere of Prague has fascinated foreigners from the Romanic times to date. The historical quarters have still maintained their magic: the unique Old Town with a large square where a medieval astronomical clock chimes every hour, with a university, multiple spires and remnants of a large Jewish Town; the Lesser Town on the hills below Prague Castle - a braid of zigzag lanes and staircases, a quarter full of religious monuments and gigantic aristocratic palaces and refined gardens; Hradcany - a picturesque quarter next to the impressive seat of the Czech rulers. Prague is abundant not only in historical monuments, museums, collections of art, bookstores, theaters, opera, musicals, cinemas or music clubs, but also offers boulevards with luxury shops selling fashion, glass, jewelry and antiques with excellent



restaurants, stylish cafes, traditional beerhouses and folk pubs. Prague is a modern European metropolis with all services and opportunities for entertainment, business and education. When you become tired of all that, take a rest in one of the numerous parks, numerous gardens or go for a trip into the countryside.



Prague Congress Centre is one of the dominant points of the City of Prague. It is located on one of Prague's hills, which provides visitors with a beautiful view of the world famous Prague panorama where the silhouette of Prague Castle, together with a myriad of towers belonging to churches, cathedrals, palaces and ancient buildings from the historical centre, rise over the Vltava River and extensive parks. The Prague Congress Centre is one of the largest and best-equipped European centres.

Its range of conference, banquet and exhibition areas, including the assurance of accompanying services, makes it one of the largest

and most comprehensive suppliers of these services and not only on the Czech market. The high technical quality, variability of internal areas and the exclusive view from the congress foyers and neighbouring halls makes this modern complex one of the most sought after congress localities. The fact that it is located in one of the most beautiful cities in Europe also undoubtedly contributes to this.

What we offer

- ♦ presentable and bright premises for organising all kinds of events
- ♦ a wide variety of sizes of meeting rooms and foyers
- ♦ exclusive view of historic Prague from the congress foyer and neighbouring halls Prague Congress Centre
- ♦ high quality services provided (certificatre ISO 9001:2001)
- ♦ state-of-art technical equipment
- ♦ outstanding Czech and international cuisine
- ♦ easy acces by underground (just two stations to downtown)

Premises for exhibition provides you a beatful panoramatic view of Prague while attending the exhibitions or coffee breaks.





EXHIBITION AREA

| | Exhibition area | Total area |
|-----------------------|----------------------|-----------------------|
| ground floor | 2 201 m ² | 5 412 m ² |
| 1 st floor | 1 219 m ² | 3 849 m ² |
| 2 nd floor | 2 389 m ² | 3 982 m ² |
| 3 rd floor | 1 654 m ² | 2 249 m ² |
| 4 th floor | 1 094 m ² | 1 570 m ² |
| TOTAL | 8 657 m ² | 17 062 m ² |

Some premises offer privacy for private meeting, other will inspire you with spectacular views and interesting interiors. Of course there is a plenty of space for coffee breaks, relax etc.



A wide variety of meeting room and setup options for organizing various types of events, from small corporate events to large conferences and exhibitions.

11th ECNDT

PRAGUE 2014

October 6 - 10, 2014

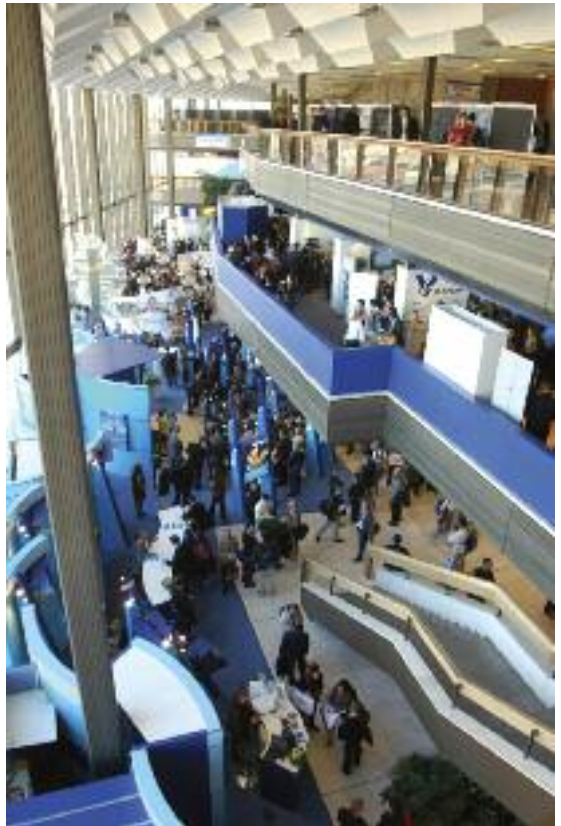
EXHIBITION

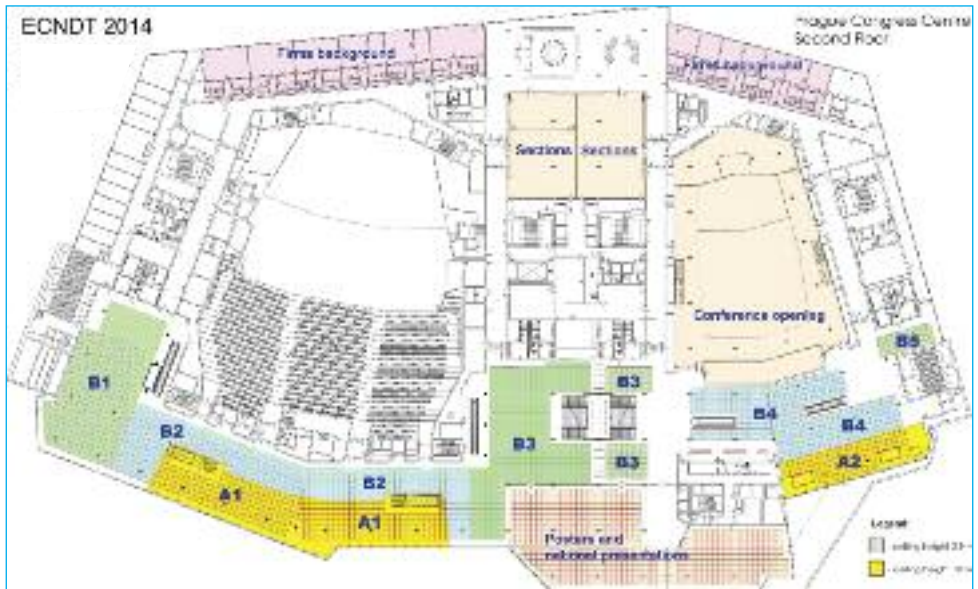
All NDT/NDE related companies are invited to participate at very important part of the 11th European Conference on Non-destructive testing - instruments and services Exhibition. The exhibition will be held in Prague Congress Centre (PCC).

During whole ECNDT 2014 conference, delegates and visitors will have the opportunity to visit the NDT/NDE exhibition. Platinum, Gold, Silver and Bronze sponsors will be given preference in selection of their presentation location.

WHY EXHIBIT?

- ♦ Long term branding during the ECNDT 2014 build up
- ♦ Unique intellectual leadership communication opportunities
- ♦ Reaching the world's key Non-destructive testing Societies' decision makers in one place at one time
- ♦ Promoting your solutions in the pre-eminent NDT intellectual environment





Exhibition Space

Exhibition space is available within the spacious foyers of the Prague Congress Centre. Floor space for one booth is available in units of 4 square meters as a minimum. The price includes location of net surface only, one conference bag and one exhibitor badge. All rental of equipment such as booths, carpets, furniture, technical or electrical installations etc. has to be ordered and will be charged separately. Exhibitors are free to use their own booth construction crew and their own stand builders. Platinum, Gold, Silver and Bronze partners have the priority in choosing exhibition space location.



PCC EXHIBITION PREMISES

- ♦ ideal for holding exhibitions
- ♦ total exhibition area of 13 000 sq. m
- ♦ option of using adjacent premises for holding workshopa and meetings
- ♦ panoramatic view of Prague Castle from the Congress and forum foyer

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Luděk Vocílka
Managing Director

Selected technical events of GUARANT International:



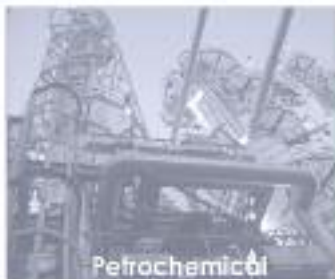
Please contact us, we will be happy to assist you.



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CNDT

Czech Society for Nondestructive Testing (CNDT) is a non-profit public organization, which promotes all the activities in the field of NDT/NDE of materials and structures. Through its diverse activities, the Society seeks to assure the quality and proficiency, and to support research and education in this field.

The contemporary CNDT continues a long-time tradition of the antecedent Czechoslovak NDT Society, established already sixty years ago.

CNDT is a regular member of the European Federation of NDT (EFNDT) and International Committee for NDT (ICNDT), and currently co-operates closely with many other NDT societies and laboratories around the whole world. CNDT officially represents the Czech NDT community abroad, and intermediates contacts with foreign NDT partners.

CNDT significantly participates in proposals of international standards in the Czech Republic and abroad. Society is involved in the certification and accreditation processes and effectively cooperates in preparing and organization of training and qualification courses of NDT personnel at all levels.

Considerable attention is paid to support students and young people interested in the NDT research, development, and applications. Society sponsors their active participation on international workshops, conferences, and other events. Awards for excellent results in NDT further enhance interest in that domain.



Every year CNDT organizes the International Conferences NDE for Safety/Defektoskopie accompanied by exhibitions and workshops. There is an opportunity to get together all people interested in NDT, welding, manufacturing, industrial control and service of structural components and materials.

Society organizes specialized international NDT events, e.g. traditional workshop "NDT in PROGRESS". Regional and technical groups of CNDT arrange their local regular sessions and thematically workshops.

CNDT also co-edits the only periodical in the Czech Republic devoted to NDT - the "NDT Welding Bulletin", bringing to NDT people interesting information about all activities in the Society.

<http://www.cndt.cz>

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ACCOMMODATION

Prague has large capacities of all types of accommodation. Delegates can choose different styles: from luxury five-star hotels to three-star hotels (or two-star hotels and hostels). Most of the suggested hotels are easily accessible – at most 5 - 20 minutes by underground, bus or tram ride from the Prague Congress Centre, the ECNDT 2014 Conference venue.

GUARANT International (PCO) has contracts for lodging capacities with the largest Prague hotels which fall under favourable price conditions. Hotel room reservations near the conference site is their routine practice.

The total estimated capacity of Prague hotels:

| | |
|----------------|--------|
| 5* hotel beds: | 10 000 |
| 4* hotel beds: | 25 000 |
| 3* hotel beds: | 25 000 |



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BASIC INFORMATION

11th European Conference on Non-Destructive Testing
October 6 – 10, 2014
Prague Congress Centre, Czech Republic
www.ecndt2014.com

Organised by

European Federation for NDT
Czech Society for NDT

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Co-Chairman

Zdenek PREVOROVSKY, vice-president
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Useful links

EFNDT: www.efndt.org
CNDT: www.cndt.cz
Guarant International: www.guarant.cz
Prague Congress Centre: www.kcp.cz
Czech Tourism: www.czechtourism.com
Prague: www.prague.cz
www.prague.com

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IMPORTANT DATES:

October 2012

- Registration of Exhibitors and Sponsors - opening

November 2012

- Second Announcement

October 2013

- Registration of Abstracts (ndt.net)
- Registration of Participants

June 2014

- Deadline for Authors Registration

July 2014

- Deadline for Manuscript Submitting (ndt.net)

August 2014

- Programme

October 6-10, 2014

- Conference and Exhibition

Proceedings Co-publisher



www.ndt.net

Platinum sponsor

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Silver sponsor



Bronze sponsors



Badge lanyards sponsor



The list of ECNDT 2014 conference sponsors is valid at the date of November 11, 2012. We will be happy to welcome you among the sponsors and promote your company at the ECNDT 2014 conference. For more information please contact as at sponsoring@guarant.cz. Actual version of the ECNDT 2014 conference sponsors is available at www.ecndt2014.com.