

# art'23

14<sup>th</sup> International Conference on non  
destructive investigations and microanalysis  
for the diagnostics and conservation of  
cultural and environmental heritage



**2023, November 28<sup>th</sup>/30<sup>th</sup>**

School of Economics of the University of Brescia  
Via San Faustino, 74/B - Brescia

Under the Patronage of



UNIVERSITÀ  
DEGLI STUDI  
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University of Brescia

**ICNDT**

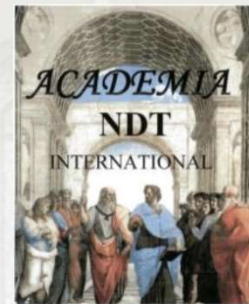
*The World Organisation for NDT*

International Committee for Non-Destructive Testing



Asociación Argentina de Ensayos  
No Destructivos y Estructurales

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no Destructivos y Estructurales



ACADEMIA NDT International



Italian National Agency  
for New Technologies, Energy  
and Sustainable Economic Development



International Council  
on Monuments and Sites  
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# Presentation

Non-destructive Analysis has turned out to be crucial methods to achieve more successful and long-lasting preservation of works of art and environmental heritage.

With the aim to promote education and competence in this field, the “art” logo was created almost forty years ago and it still represents, in national and international sphere, one of the most successful initiatives in this area. The desired synergy among experts will lead to continuous development of new scientific methods in the fields of preservation, reconstruction and diagnostics of cultural and environmental artworks.

The last edition of the “art conference” was held in Buenos Aires (Argentina) in November 2021 and despite the pandemic period it promoted cooperation among different specialists coming from all over the world and strengthened the relationship especially between Italian and Latin-American world of NDT.

The “art’23 Conference” will strive to achieve the funding goals by bringing together delegates, conservation scientists and curators, art historians, analytical scientists and architectural researchers.

These experts will meet in Brescia: placed in the North of Italy, AIPnD hometown has been nominated “2023 Italian Capital of Culture” together with Bergamo.

The technical and scientific program will include both invited and short presentations and poster sessions that will highlight the application of NDT in many important sectors related to cultural heritage.

# Conference Venue

The Conference will start on Tuesday November 28<sup>th</sup> and will close on Thursday November 30<sup>th</sup>, 2023 and it will be held in Brescia (Italy) at the School of Economics of the University of Brescia (<https://www.unibs.it/it/ateneo/organizzazione/sedi/economia-chiostri-di-san-Faustino>).

Founded over 3,200 years ago, Brescia (in antiquity Brixia) has been an important regional centre since pre-Roman times. Its old town contains the best-preserved Roman public buildings in northern Italy and numerous monuments, among these the medieval castle, the Old and New cathedral, the Renaissance Piazza della Loggia and the rationalist Piazza della Vittoria.

The monumental archaeological area of the Roman forum and the monastic complex of San Salvatore-Santa Giulia have become a UNESCO World Heritage Site as part of a group of seven inscribed as Longobards in Italy, Places of Power.

The University of Brescia was officially founded in 1982, divided into the three faculties of Medicine, Engineering, and Business and Economics. The Monastery of St. Faustino Maggiore is the seat of Economics.

The cloisters, the church and the buildings of S. Faustino originally belonged to a male Benedictine complex dating from the tenth century linked to the presence of the ancient church of S. Maria in Silva. The renovation of the complex began in the Renaissance period with the construction of the Ionic entrance cloister called “della Campanella”, while in the 1930s the large cloister (“of the two columns”) was completed. The beginning of the transformation of S. Faustino church dates back to the mid-sixteenth century: based on the traces of the ancient Romanesque temple, having preserved only a part of the foundations of the presbytery.

In the north-east wing there was the monumental refectory under a hunched polycentric vaulted, now the Faculty’s Aula Magna.

In the seventeenth century the monastery housed the study of the famous physicist-mathematician Benedetto Castelli; his monastic library is now the library of the Department.

The architectural structure of the monastery suffered a heavy degradation when, in 1798, it was used as a barracks for lancers. At the end of 1980s, the cloistered spaces were granted by the State Property to the University of Brescia.

## HOW TO REACH THE VENUE

- *By train:* from the railway Brescia station you can easily reach the Venue using the subway (Direction Prealpino, stop S. Faustino).
- *By bus:* Line 7 (Direction Caino) - Line 10 (Direction Concesio). Get off at the stop of Via San Faustino, 74/B near the Church S. Faustino.
- *By car:* highway exit Brescia Ovest or Brescia Centro. Parking: Fossa Bagni (5 minutes walk) - Piazza Vittoria (10 minutes walk) - Randaccio (10 minutes walk). The Venue is located close to the ZTL-Limited Traffic Zone.
- *Google Maps:* please insert “Aula Magna San Faustino Brescia”

# Conference Topics

Non-destructive Testing in Cultural Heritage  
Microanalysis and Conservation of Cultural Heritage  
Monitoring of Cultural Heritage  
Structural Control of Cultural Heritage  
Mechanical Characterizations of Historical Building Material  
Environmental Control and Protection

In detail:

- Techniques to measure and evaluate environmental damages and degradation processes (on stone, leather, parchment, painting, wood, ivory, bone, metal, glass); measurement of the extent of damage caused by corrosion, atmospheric pollution, biodegradation;
- Development of analytical techniques for the study of the composition on decay of museum objects (ion beam analysis; irradiation and diffraction techniques; radiography and tomography; fluorescence spectroscopy);
- Measuring the effectiveness of newly developed protection, preservation and conservation procedures (slowing deterioration and damage; innovative coating; proper storage conditions and controlled environment; temperature, humidity, lighting, gas composition);
- Techniques to identify materials, provenience of raw material and production details of object (origin and supplies; studies of ancient production techniques; identifying trade routes);
- Authenticity and authentication of art and archaeological objects (questions of origin, identification fakes and forgeries);
- Prevention of effects of natural and non-natural disasters for Cultural Heritage artefacts (earthquakes; windstorms and floods; blasts);
- Mechanical Characterization of Historical Building Material;
- Inspection methods, Structural health monitoring of Cultural Heritage;
- The role of NDT faced with the tasks of Resilience, Durability and Sustainability;
- Interdisciplinary projects and case studies;
- Certification on NDT in Cultural Heritage Field.



## Important Dates

Call for Abstract (one-page)

March 31<sup>st</sup>, 2023

Notification of Abstract Acceptance

April 30<sup>th</sup>, 2023

Full Paper Submission

June 19<sup>th</sup>, 2023

Authors are invited to submit individual contributions on any of the Conference topics. Abstract Submissions should be performed on-line from 2023, February 27<sup>th</sup> to 2023, March 13<sup>th</sup> at the following link

[https://www.aipnd.it/scientific\\_information\\_abstract\\_submission\\_01347125](https://www.aipnd.it/scientific_information_abstract_submission_01347125)

Each Full Paper and Poster will be inserted in Art'23, Proceedings of the 14th AIPnD International Conference distributed during the Meeting.

The Proceedings will be volume nr. 14 of the prestigious international book series Cultural Heritage, directed by Emanuele Romeo, Politecnico di Torino (<https://www.writeupbooks.com/cultural-heritage-emanuele-romeo/>).

The Proceedings will be available in Open Access, according to the most update criteria for the diffusion of the scientific knowledge established by Berlin Declaration (<https://openaccess.mpg.de/Berlin-Declaration>).

Full Papers and Poster must follow strict rules provided directly by the Publisher WriteUp Books: more details will be available on the Conference website at the following link:

[https://www.aipnd.it/scientific\\_information\\_abstract\\_submission\\_01347125](https://www.aipnd.it/scientific_information_abstract_submission_01347125)

# Guidelines for the Preparation of Oral Presentations and Posters

The official language of the Conference is English: therefore, all abstracts, full papers, slides, posters and short presentations must be in English.

## ORAL PRESENTATIONS

Presentation's length: 20 minutes (15 minutes of talk + 5 minutes of discussion)

All the Authors are pleased to:

- keep strictly to the allotted times as the Conference schedule is tight
- prepare the presentations in Powerpoint format and carry it along on a CD or a USB memory drive (please put any video in the same folder of presentation);
- upload the presentations at least two hours before the oral exposition directly in the Conference Room (technical assistance shall be provided)
- use PC/laptops provided by the venue (no personal device will be accepted and no Apple/MacIntosh software or hardware will be available);

## POSTERS/SCIENTIFIC EXHIBITION

The Posters will be put up in the same area where lunches and coffee breaks will be served and where the exhibition will be set. The Posters must be put up on Tuesday, November 28<sup>th</sup> between 10.00 and 12.30 am and they must be removed on Thursday, November 30<sup>th</sup> after the end of the Meeting). The Conference Organizers are not responsible for posters that have not been removed/collected by the end of designated dismantling time.

Posters dimensions must be 90 cm (width) and 200 cm (height);

Posters panels will be numbered with the assigned IDN number/code given to each accepted poster: please, stick your poster to the panel having the same assigned number/code. Materials (small nails/points and/or special tape) for pinning/sticking up the posters will be available in the poster area.

# Registrations

Registrations have to be made by e.mail (completed Registration Form + copy of the Identity Card/Passport). Incomplete forms will not be taken into account.

## **EARLY FEES (before July 31st, 2023)**

AIPnD Members	450,00 € (VAT free)
Authors	450,00 € (+ VAT if applicable)
Posters Authors	350,00 € (+ VAT if applicable)
Participants	550,00 € (+ VAT if applicable)
Under 25	150,00 € (+ VAT if applicable)
Accompanying Person	180,00 € (VAT 22% excluded)

## **LATE FEES (after July 31st, 2023)**

AIPnD Members	550,00 € (VAT free)
Authors	550,00 € (+ VAT if applicable)
Posters Authors	450,00 € (+ VAT if applicable)
Participants	650,00 € (+ VAT if applicable)
Under 25	200,00 € (+ VAT if applicable)
Accompanying Person	180,00 € (VAT 22% excluded)

*NB: due to organizational reason and as requested by the Venue, be aware that copy of the Identity Card/Passport must be sent together with the Registration Form*

## Participants/Delegates Fees include:

- Entrance to sessions
- Congress documents
- Certificate of attendance
- Welcome Cocktail: Tuesday
- Coffee breaks: Tuesday, Wednesday, Thursday
- Lunch: Wednesday
- Gala Dinner: Wednesday (except for participants registered with the fee "Under 25")

## Accompanying people will be able to:

- Attend the Welcome Cocktail (Tuesday)
- Attend the Gala Dinner (Wednesday)
- Join all social events

# More information

## PAYMENT METHODS

Full payment of fees, accepted in EURO only, is required in order to attend the Conference: payments must be net of all bank charges and must be made by bank to bank transfer (wire transfer) to AIPnD. Description of payment: "(Surname) - Registration ART2023".

The Secretariat will send details about the amount to be paid by each participant together with bank details to proceed with the payment.

The Registration Form must be sent by e-mail to the Organizing Secretariat AIPnD ([art@aipnd.it](mailto:art@aipnd.it)). Upon receipt of the payment, AIPnD will e-mail to the registered participants an invoice that can be considered as a confirmation of the registration.

Please, be aware that payment by credit card is possible, too. Kindly send a communication to the Organizational Secretariat ([art@aipnd.it](mailto:art@aipnd.it)) to proceed with the payment.

## CANCELLATION POLICY

Only written cancellations sent to the Organizing Secretariat will be considered. Refunds will be possible only if the participant's bank details are specified. Cancellations received before July 31<sup>st</sup>, 2023 will be refunded, but they will be charged of an administrative fee of 50,00 €. No refunds will be made for requests received after July 31<sup>st</sup>, 2023. Participants who cannot participate may indicate a substitute by written communication to [art@aipnd.it](mailto:art@aipnd.it).

# art'23

14th International Conference on non-destructive investigations and microanalysis for  
the diagnostics and conservation of cultural and environmental heritage

*Brescia (Italy) - 2023, November 28<sup>th</sup>/30<sup>th</sup>*

## REGISTRATION FORM

Surname ..... Name .....

TAX code (Codice Fiscale) .....

Place and Date of Birth .....

AIPnD Members

AIPnD non-Members

*Please invoice to:*  company invoice

Company/Name .....

VAT number (P.IVA) .....

Professional Address.....

ZIP code ..... Town ..... Country .....

Phone ..... Mobile .....

E-mail .....

Only for Italian Participants: Codice SDI ..... PEC .....

*Please invoice to:*  personal invoice

Personal Address .....

ZIP code ..... Town ..... Country .....

E-mail .....

I require the following registration (please tick the required item/s):

### EARLY FEES (before July 31st, 2023)

- |  |                                |
|--|--------------------------------|
| <input type="checkbox"/> AIPnD Members                   | 450,00 € (VAT free)            |
| <input type="checkbox"/> Authors                         | 450,00 € (+ VAT if applicable) |
| <input type="checkbox"/> Posters Authors                 | 350,00 € (+ VAT if applicable) |
| <input type="checkbox"/> Participants (AIPnD non-Member) | 550,00 € (+ VAT if applicable) |
| <input type="checkbox"/> Under 25                        | 150,00 € (+ VAT if applicable) |
| <input type="checkbox"/> Accompanying Person             | 180,00 € (VAT 22% excluded)    |

*NB: please, be aware that copy of the Identity Card/Passport must be sent together with the Registration Form*

#### ONLY FOR ITALIAN PARTICIPANTS

INFORMATIVA PRIVACY – Regolamento UE 2016/679 (GDPR) Con la sottoscrizione della presente scheda di iscrizione si dichiara di aver preso visione e di aver accettato l'informativa privacy presente sul sito [www.aipnd.it](http://www.aipnd.it). La scheda firmata conferisce quindi ad AIPnD l'autorizzazione al trattamento dei dati personali in essa contenuti ai sensi del Regolamento UE 2016/679 (si segnala che durante l'evento in questione verranno scattate fotografie che AIPnD si riserva di poter pubblicare per usi editoriali e divulgativi). Nello specifico, si chiede di esprimere il consenso in merito all'inserimento del proprio nominativo nella lista dei partecipanti all'evento da inviare a soggetti terzi legati allo svolgimento dell'evento (in caso di mancata compilazione, vige il silenzio-assenso):  acconsento  non acconsento

Date ..... Signature .....

AIPnD ETS - Italian Society for Non-Destructive Testing Monitoring Diagnostics

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