



# International Symposium **CONSOLIDATION 2021** Stone Consolidation in Cultural Heritage

LNEC | Lisbon, March 23-25, 2022



LABORATÓRIO NACIONAL  
DE ENGENHARIA CIVIL

<http://consolidation2021.lnec.pt/>

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## Motivation

In the sequence of the 2008 Symposium on this same subject, LNEC is organizing a new event to update what has been achieved in this relevant field of heritage science. The event will also honour Dr. José Delgado Rodrigues on his 50<sup>th</sup> year of activity as researcher and consultant, during which he contributed in many ways to broaden the scientific and technical knowledge in the field of stone consolidation, which is, perhaps, the most complex and difficult subject in stone conservation, and the one in which more research efforts have been invested to solve the challenging problems of the daily conservation practice.

The motivation of this symposium is to gather researchers, practitioners and producers in a dedicated forum where this topic will be the exclusive subject for presentations and discussions. We aim, in this way, to go deeper into the subject giving the stage to experienced agents and to young newcomers into the field, discussing the past and recent experiences, and bringing new ideas and proposals for the future.

## Invitation

The Organising Committee invites all interested researchers, practitioners and producers to contribute with their research and technical knowledge, and to join us in Lisbon to actively participate in the event that we are committed to turn into an unforgettable experience.

## Topics

- General aspects on stone decay as basic input to decide on consolidation options,
- Identification, characterisation and documentation of deterioration patterns,
- Laboratory research on consolidants,
- Selection of consolidation treatments. Criteria and decision-making approaches,
- Onsite input requirements to consolidation,
- Practical experiences on consolidation,
- Past and present drawbacks of stone consolidation,
- Monitoring of practical case studies,
- New approaches in stone consolidation. Future perspectives,
- Ethics, principles, guidelines, and other immaterial landmarks in stone consolidation,
- History of stone consolidation.

Proposals dealing with other topics within the wide scope of the proposed subject may be accepted. All accepted proposals will be published as Extended Abstracts in a hard copy volume. Authors wishing to publish full papers may submit them to be delivered in electronic format to all participants. Potential participants are also invited to propose the organisation of special sessions on relevant topics, indicating the invited speakers to be involved in it.

## Call for abstracts

Papers are welcome within the scope of the event, either on research and theoretical themes, or on the definition and implementation of consolidation treatments.

Abstracts are accepted until May 31<sup>st</sup>, 2021. Authors will be notified of the acceptance by June 30<sup>th</sup>, the latest.

## Publications

A printed volume with extended abstracts will be published. Full papers will be grouped in an electronic publication with ISBN and DOI coordinates.

Extended abstracts and complete papers (the latter are optional) should be received by January 15<sup>th</sup>, 2022

the latest (to allow for editing).

Instructions for writing the text should be downloaded from the website or asked to the Organising Committee.

## Organizing Committee

Dória Costa (LNEC), Chair  
João Manuel Mimoso (LNEC)  
Marluci Menezes (LNEC)  
Sílvia Pereira (LNEC)

## Scientific Committee

José Delgado Rodrigues (LNEC), Portugal, Chair  
A. Elena Charola, Smithsonian Conservation Institute, Washington DC, USA  
Alison Heritage, ICCROM, Roma, Italy  
Ana Ferreira Pinto, University of Lisbon (IST), Portugal  
Antônio Gilberto Costa, University of Minas Gerais, Belo Horizonte, Brazil  
Eliane del Lama, University of Sao Paulo, Brazil  
Elizabetta Zendri, University of Venice, Italy  
Enrico Sassoni, University of Bologna, Italy  
Francesca Gherardi, Historic England, Portsmouth, UK  
George Scherer, Princeton University (ret.), USA  
George Wheeler, Columbia University  
Lorenzo Appolonia, Regione Autonoma Valle d'Aosta, Italy  
Milos Drdacky, Institute of Theoretical and Applied Mechanics of the Czech Academy of Sciences, Prague, Czech Republic  
Pagona Maravelaki, Technical University of Crete, Chania, Greece  
Susanna Bracci, Institute of Heritage Science, ISPC-CNR, Italy  
Teresa Rivas, University of Vigo, Spain

## Advisory Committee

A. Elena Charola (Smithsonian Museum Conservation Institute), Chair	Koen Van Balen
Andrew Oddy	Konrad Zehnder
Benita Silva	Lorenzo Lazzarini
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Clifford Price	Marisa Tabasso
Cristina Sabbioni	Mauro Matteini
Dario Camuffo	Norman Tennent
Eddy de Witte	Piero Baglioni
George Wheeler	Piero Tiano
Giacomo Chiari	Rob Van Hees
Giorgio Bonsanti	Rolf Snethlage
Jeanne-Marie Teutonico	Vasco Fassina
Johannes Weber	Thomas Warscheid

## Important dates

**May 31<sup>st</sup>, 2021:** Last day to remit the abstract.

**January 15<sup>th</sup>, 2022:** Last day of early bird registration fee.

**January 15<sup>th</sup>, 2022:** Last day to remit the extended abstracts and full manuscripts.

**February 10<sup>th</sup>, 2022:** Last day for authors to register if papers are to be included in the symposium publications (acceptance of submissions will be communicated before this date).

## Language

English will be used both for written and for oral presentations.

## Registration and Call for Communications

The registration fee includes admission to all conference presentations, one copy in paper of the Book of Extended Abstract, a pen drive with papers, a certificate of attendance, lunch as well as morning and afternoon coffee breaks.

The Conference will last for three days and shall include invited lectures, oral and poster presentations. The Scientific Committee will select the form of presentation of communications considering their originality and thematic affinities and the slots available.

**Normal registration fee:** €270.00 (Exempt of VAT)

## Venue

LNEC Congress Centre, National Laboratory for Civil Engineering  
Av. Brasil 101 | 1700-066 Lisbon | Portugal

## Contacts

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Support: