



LABORATÓRIO NACIONAL  
DE ENGENHARIA CIVIL



# Fourth International Conference Progress of Recycling in the Built Environment

[www.recycle18.lnec.pt/](http://www.recycle18.lnec.pt/)

PORTUGAL • LISBON • LNEC • 11-12 October 2018



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Organized by



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DE ENGENHARIA CIVIL

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## INTRODUCTION

As the world population is predicted to grow to 9 billion by 2050, meeting the materials needs, especially in urban areas, remains a problem to be tackled. The increased demand of resources constitutes a noticeable opportunity to change consumption patterns in the built environment so that the construction and building materials of today become the resources of tomorrow. Nowadays, recycling continues to face important challenges, for instance the recovery of building materials and structures with increased complexity, which needs to be analysed and discussed.

The Fourth International Conference Progress of Recycling in the Built Environment, which will take place in Lisbon, Portugal, on 11 and 12 October 2018, brings together experts in the field of recycling of construction and demolition waste (CDW) from around the world.

The conference, organized by Laboratório Nacional de Engenharia Civil – LNEC (National Laboratory for Civil Engineering), is part of a series of conferences, started in 2009 by the RILEM Committee TC-217 Progress of Recycling in the Built Environment.

The aim of the conference is to disseminate and debate recent developments in processing, characterization and application of recovered materials from CDW, in order to strengthen their production, to foster confidence on their use and, consequently, to stimulate their demand. With this purpose, it is foreseen an increasingly participation of all stakeholders while raising awareness about the great relevance of CDW recycling.

This Conference will include high level scientific sessions, with Keynote Lectures given by well-known international experts, parallel sessions with selected articles and round table discussions on the most urgent issues related to CDW recycling.

It is expected that this Conference contributes to improve the resource efficiency in the construction sector, providing interesting clues to close the loop of materials and preserving natural resources.

## THEMES

- Processing techniques for CDW
- Innovative solutions for recycled products
- Quality and confidence
- Performance and durability of materials with recycled products
- Life Cycle Analysis and Life Cycle Costs
- Health and environmental safety of recycling and risks
- Standards, policy legislation
- Case studies

## IMPORTANT DATES

Abstracts submission 15/04/2018

Abstracts approval 30/04/2018

Papers submission 30/05/2018

Papers approval 30/06/2018

Papers review submission 30/07/2018

Final papers approval 30/08/2018

Event 11/10 to 12/10/2018

## ORGANIZING COMMITTEE

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Prof. Graça Martinho (FCT-UNL, Portugal)

Dr. Guillaume Habert (ETH Zürich, Switzerland)

Dr. Isabel Martins (LNEC, Portugal)

## KEYNOTE LECTURERS

**Dr.-Ing. habil. Anette Müller**

IAB - Institut für Angewandte Bauforschung Weimar gGmbH

*30 Years Recycling as a RILEM Topic – what did we learn, what did we forget, what must we do?*

**Prof. Dr. Chi-Sun Poon**

Hong Kong Polytechnic University

*Carbon dioxide sequestration: Relevance for recovering CDW*

**Prof. Dr. Jorge de Brito**

Instituto Superior Técnico, Universidade de Lisboa

*Construction and demolition waste: How to close the loop?*

**Prof. Dr. Vanderley M John**

Escola Politécnica, Universidade de São Paulo

*Circular economy & Resource use efficiency and recycling on the built environment*

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# INSTITUTIONAL LNEC

Laboratório Nacional de Engenharia Civil – LNEC (National Laboratory for Civil Engineering), established in 1946, is a public research institution, devoted to science and technology, with the status of State Laboratory. LNEC works in all the main fields of civil engineering and related scientific areas, giving it a unique multidisciplinary perspective. It has a staff of about 450 members and 100 research fellows. 30% of the personnel have a PhD or equivalent degree.

LNEC’s R&D&I activity is aligned with the objectives set out in the major national strategies within the fields of construction, habitat and environment, but also with the EU thematic, such as the Europe 2020 Strategy, Horizon 2020 and Cohesion Policy 2014-2020. The current Research and Innovation Strategy of LNEC, scheduled for 2013-2020, that frames and guides its Research and Innovation Plan, is based on five structural axes: built heritage, cities and territories, natural resources, risk and security, instruments for innovation.



# CONFERENCE FEES

	Before 30 <sup>th</sup> July 2018	After 30 <sup>th</sup> July 2018
Full fee	€ 200,00	€ 250,00
Students	€ 100,00	€ 150,00

Conference registration fee (in Euro) includes lunches on 11 and 12 October and refreshments served during the conference. For students the fee is reduced and proof of student status is required.

Payment of fee on behalf of FUNDCIC (VAT NUMBER 502972076) the registration will only be considered when accompanied by proof of payment.

Please make your registration online here:



# CONTACTS

LNEC | Conference and Event Services  
Av. do Brasil 101 • 1700-066 LISBON  
tel.: (+351) 21 844 34 83 • fax: (+351) 21 844 30 14  
e-mail: [recycle18@lnec.pt](mailto:recycle18@lnec.pt) [www.recycle18.lnec.pt/](http://www.recycle18.lnec.pt/)

