

# Workshop on External Sulfate Attack

3 and 4 November, 2016

LNEC – Lisbon, Portugal



## *Workshop and TC meeting*

The Workshop is a part of the activities of the RILEM TC-251SRT of RILEM on external sulfate attack in concrete structures.

The Workshop will give opportunity to exchange experiences and researches on concrete structures affected by sulfate attack. It will give a platform for discussion on test methods to evaluate the resistance of concrete exposed to external sulfate attack. Presentations of current trends and developments coupled with critical discussion and debate together with social interactions are the objectives of the Workshop.

The 6<sup>th</sup> meeting of TC-251-SRT will be held on the afternoon of 4 of November at the end of the Workshop.

## *Important Dates*

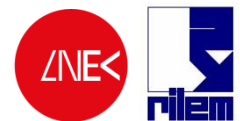
30 July 2016	Deadline for Abstracts <b>Extended to 15 of August 2016</b>
30 August 2016	Acceptance Notification of Abstracts
30 September 2016	Submission of Draft Paper
20 October 2016	Comments on Draft Papers to Authors
30 October 2016	Submission of Final Papers

## *Co-Chairs:*

Isabel Martins

Veronique Baroghel-Bouny (Chair of the TC-251-SRT)

Esperanza Menéndez (Secretary of the TC-251-SRT)



## Workshop themes

### Field concrete aspects of external sulfate attack

- Damages produced in real structures
- Parameters that affect the procedure
- Relationship between degradation and effects on the structures
- The role of the environmental conditions in the type and level of damage

### Testing to prevent the external sulfate attack

- New approaches in test methods to evaluate ESA
- The role of test parameters in the degradation & test criteria to define the degradation
- Limitation of test methods
- New studies linking test methods and field cases

### Mechanism of alteration in sulfate attack

- New and original aspects of mechanism in ESA
- Influence of thermodynamic and kinetics aspects
- Interaction between ESA and other damages
- Thaumassite formation and other sulfate attacks

## Scientific Committee:

Carmen ANDRADE

Véronique BAROGHEL-BOUNY

Nabil BELLA

Wolfgang BRAMESHUBER

Eric BROUARD

Myriam CARCASSES

Franck CASSABAGNERE

Nele de BELIE

Oguzhan COPUROGLU

Yogarajah ELAKNESWARAN

Chiara FERRARIS

Kevin FOLLIARD

Fredrik P. GLASSER

Li-Ping GUO

Reiner HAERDTL

Johannes HAUFE

Doug HOOTON

Laurent IZORET

Andreas LEEMANN

Klaus LIPUS

Nordine LEKLOU

Ahmed LOUKILI

Mathias MAES

Isabel MARTINS

Ana MLADENOVIC

Esperanza MENÉNDEZ

Florian MITTERMAYR

Fabrizio MORO

Kolawole OLONADE

Antonio PRINCIGALLO

Manu SANTHANAM

Karen SCRIVENER

Caijun SHI

Othman OMIKRINE-METALSSI

Klaas VAN BREUGEL

Yuri Andres VILLAGRAN ZACCARDI

Kai-tai WAN

Claudio ZEGA

Proceedings of the Workshop will be published with e-ISBN in CD support  
Selected papers will be published in J. Sustainable Cement-based Materials

## Venue



LABORATÓRIO NACIONAL  
DE ENGENHARIA CIVIL

Avenida do Brasil, 101  
1700-066 Lisboa  
PORTUGAL

<http://www.lnec.pt/en/>

## Workshop Secretary

Ms. Fernanda Lopes – LNEC

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## Registration

Workshop website: <http://esa2016.lnec.pt>

Workshop registration fee (in Euro) include proceedings, lunch on 3<sup>rd</sup> November, refreshments served during the workshop.

Payments should be made in advance.

	Before 30th September 2016	After 30th September 2016
Full fee	150	200
Students	40	60