

Secretariat MEDACHS'10
LEPTIAB, Université de La Rochelle
Avenue Michel Crépeau F-17042 La Rochelle cedex FRANCE

Registration fees

	Before Jan. 15, 2010	After Jan. 15, 2010
All participants	490 €	550 €
Students ¹	240 €	290 €

Registration fees include admission to the lectures and poster programme, the technical exhibition, the book of abstracts and the full set of papers on a CD-ROM, lunches, coffee breaks and conference dinner.

Correspondence & contacts

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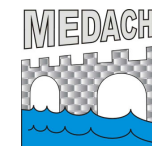
LEPTIAB Website

<http://leptiab.univ-larochelle.fr>

Conference committees

Will be put into position in the second announcement.

¹ Present a valid student card or equivalent.



2nd International Conference

Marine Environment Damage to Coastal and Historical Structures

Mechanisms of degradation, Durability, Diagnostics, Maintenance and Rehabilitation

MEDACHS'10



La Rochelle, France
April 28-30, 2010

1st announcement, call for papers

University of La Rochelle - LEPTIAB



Scope and main topics

Many transport infrastructures, buildings and ancient monuments are located in a coastal or marine environment. These structures have different roles: economic, housing, transport and tourist's attractions and therefore are of great relevance to these regions.

When exposed to aggressive environments, common pathologies affect these structures independent of the construction material used (e.g. concrete, steel, stone, timber, etc). The mechanisms for degradation can be corrosion, leaching, biological attacks or other physical and/or chemical reactions which affect the structural, functional or aesthetics aspects. Such degradations result in most cases in a loss of serviceability at an elemental level (i.e. materials level) or global level (i.e. structure level), which affect the durability and reduce the service life.

Owners are then confronted with questions dealing with the optimization of the monitoring of such structures and the time to initiate maintenance/rehabilitation. Addressing these questions requires the development of tools for modeling the transport processes through construction materials for diagnosis of damage and for modeling its evolution with time.

Furthermore, a better understanding of the degradation mechanisms and the phenomena involved could help to improve the conception of construction materials and innovation in this field resulting in an improvement in the specifications of standards.

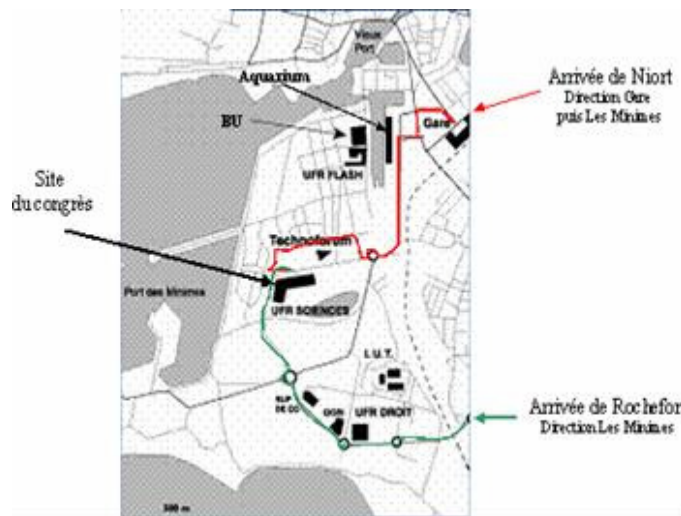
The main topics of the conference are:

1. Construction materials
2. Transport modeling in porous materials
3. Degradation and durability
4. Environmental loadings and load modeling
5. Prevention and protection
6. Diagnostics and NDT techniques monitoring
7. Decision and asset management
8. Reliability, maintenance and structural safety
9. Whole life cost
10. Repair materials, techniques and innovation
11. Case studies

Place and access

The Conference will be held at the "Pôle Sciences" of the La Rochelle University (see details on the website at www.univ-larochelle.fr).

An English version of the access map will be supplied in the second announcement.



Pre-registration form

Name:

Profession:

Address:

City and Zip code:

Phone :

Fax :

Email :

Options

I intend to submit a paper

I intend to participate

Please keep me informed by e-mail

My company intends participating in the technical exhibition

For further information, please return this form by email, mail or contact the conference organizers.

Send to:

Secretariat Medachs10

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