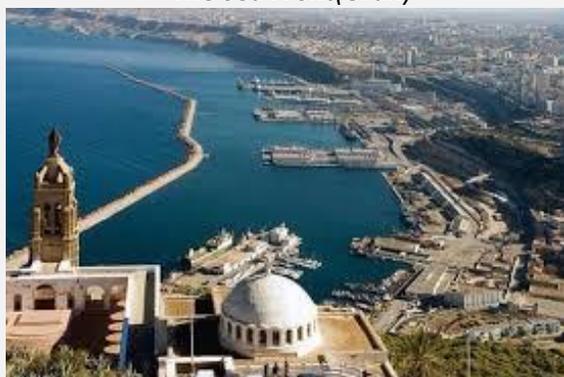




The Sea Front(Oran)



View of the port of Oran



University of Science and Technology of Oran

IMPORTANT DEADLINES

- Abstract submission : **January 15, 2018**
- Abstract acceptance : **February 15, 2018**
- Paper submission : **April 15, 2018**
- Paper acceptance : **May 31, 2018**
- Registration and submission link:
<https://goo.gl/forms/Bfv5NF4haBjpP9ZG3>

REGISTRATION FEES

| | Citizen | Foreign |
|-----------------|------------|---------|
| • Students | 5,000 DZD | 50 € |
| • Searcher | 10,000 DZD | 100 € |
| • Other quality | 20,000 DZD | 150 € |

CONTACT

UNSATOran2018

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Web <http://unsat-dz.org>



University of Science and Technology of Oran
"Mohamed BOUDIAF"

Faculty of Architecture and Civil Engineering
Materials, Soils and Thermal Laboratory
(LMST)

In collaboration with

UNSAT-DZ Network
Algerian Geotechnical Society
(ALGEOS)

Organize

The 4th International Colloquium
Unsaturated Soils &
Sustainable construction

UNSAT Oran 2018

Oran, October 30 and 31, 2018

In partnership with

Aboubakr Belkaid University, Tlemcen
Faculty of Technology, EOLE Laboratory

Le Havre Normandy University
LOMC Laboratory, CNRS UMR 6294



PRESENTATION AND AIMS

The network unsat-dz, established in 2009 around the theme of the unsaturated soils is composed of 14 teams through the national territory, 1 Tunisian team and 5 European teams (unsat-dz.org).

The network is a part of the Algerian Geotechnical Society (ALGEOS) that was approved in 2015.

The network's objective is to federate the university research teams and to diffuse the knowledge on the behaviour of unsaturated soils, in particular within the Algerian geotechnical specialists (academics and professionals). As such, the network organizes since its creation, an international colloquium every three years. After UNSATlemcen on 2009, UNSATAlger on 2012 and UNSATBatna on 2015, the University of Sciences and Technology of Oran organizes the 4th edition of this colloquium on October, 2018.

UNSATOran 2018 is thus a new opportunity to gather the engineers and the researchers in the field of unsaturated soils to participate in the debates that will be focused on four themes of this colloquium.

These themes aim to be closer to practical problems to which engineers are confronted in particular in regions with semi-arid climate as North Africa. The researches around these themes should have for purpose the understanding of the behaviour of the works in particular the works realized with Eco-materials with low carbon footprint. These sustainable constructions limit the impacts on the environment and ensure an optimal energy performance, by using, as far as possible, the natural and local resources, where from the title of the colloquium: unsaturated soils & sustainable construction.

DOCTORAL COURSE

On the sidelines of the symposium, a doctoral course for PhD students and researchers on unsaturated soils will be organized on October 29th, 2018. It will include lectures and practical work (details of the course and the registration process will be specified later via the website unsat-dz.org).

TECHNICAL THEMES

THEME 01

Mechanical behaviour of unsaturated soils

Experimental aspects and modelling the behaviour of unsaturated soils subjected to hydraulic and mechanical solicitations.

THEME 02

Transfers in unsaturated soils

Transfer, flow and transportation in unsaturated soils.
Experimental and modelling.

THEME 03

Eco-materials with raw earth

Eco-materials based on unsaturated raw earth. Thermo-hygro & hydro-mechanical behaviour. Valorisation in the building and public works (CEB, earth concretes, embankments).
Experimental aspects and modelling.

THEME 04

Case study

In situ experiments involving effects of non-saturation. Validation of constitutive models, computer codes and return of experience.

SCIENTIFIC COMMITTEE

PRESIDENT: HACHICHI Abdelkader USTOran

| | |
|-------------------|-----------------|
| ABBECHÉ Khelifa | U. Batna 2 |
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| ALONSO Eduardo | UPC Barcelone |
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| ARAB Rabah | Huesker, France |
| BAHAR Ramdane | USTHB, Alger |
| BELAYACHI Naima | U. Orléans |
| BENMEBAREK Sadok | U. Biskra |
| BERGA Abdelmadjid | U. Béchar |

| | |
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| SOULI Hanène | ENI Saint Etienne |
| TAIBI Said | U. Havre Normandie |
| WANG Hua Qing | U. Havre Normandie |
| ZERHOUNI M. Idriss | Fondasol, France |

ORGANISING COMMITTEE

PRESIDENT: BOUROKBA Souad Amal USTOran

| | | |
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| MALAB S. | MAAMAR L. | MEKKI M. |
| RAMZI D. | BENCHOUK A. | GHEMBAZA M.S. |
| HADJADJ F. | OUZAA K. | DERFOUF F.M. |
| OUADI B. | BOUALA N. | BOUCHEMELLAS |
| PANTET A. | TAIBI S. | IMANZADEH S. |
| ABOU-BEKR N. | ZINAI H. | SAD-HOUARI F. |
| BAQUHAIZELE AS | | |