

**1st National Seminar on Innovative
Materials, Construction and
Environmental (NSIMCE'25)**
18 – 19 November 2025

About

The construction sector is undergoing a major transformation. In response to the challenges of sustainable development, energy transition, and environmental preservation, innovation in construction materials is more necessary than ever.

The **(NSIMCE'25)** positions itself as a key event for all construction stakeholders in Algeria. It provides a unique platform for exchanging ideas, sharing the latest scientific and technological advances, and discussing the challenges and opportunities related to sustainable construction and innovative materials..

Objectives

- Foster Innovation : Highlight the latest advancements in construction materials.
- Strengthen Collaborations : Create a platform for exchange between researchers, industry professionals, and institutional stakeholders.
- Train Future Professionals : Raise awareness among younger generations about the challenges of sustainable construction.
- Influence Public Policies : Formulate recommendations to promote sustainable construction.
- Facilitate Knowledge Exchange Among Researchers : Provide participants with the opportunity to share ideas and experiences in person with their peers in the field of innovative materials and sustainable development.
- Encourage PhD Students to Present Their Research.
- Promote Locally Developed or Nationally Adapted Innovative Materials.
- Identify Opportunities for Manufacturing and Exporting These Materials.
- Enhance Collaboration Between Universities, Research Centers, and Industry to Develop Localized Solutions and Identify Applied Research Needs in This Field.

Concerned categories

- ♦ Teacher-researchers, Researchers, Independent researchers
- ♦ Doctoral students, Post-docs
- ♦ Other categories: Socioeconomic actors, anyone interested in the event topics



Hybrid Event

TECHNOLOGY DEPARTMENT OF THE
HIGHER SCHOOL OF TECHNOLOGICAL
EDUCATION - ENSET SKIKDA

Honorary President

Dr. BOUDJAADAR Djamal
(Director of the School)

Conference Chair

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Ministry of Higher Education and
Scientific Research



ENSET-SKIKDA, ALGERIA



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Environment (NSIMCE'25)**

**NOVEMBER
18-19, 2025**

Important dates:

March 01, 2025: Call for papers

May 15, 2025: Submission deadline

July 15, 2025: Notification

September 20, 2025: Camera ready

November 18-19, 2025: Conference Date
(NSIMCE'25)

Topics

Axis 1: Innovative Materials and Sustainable Development

Bio-Sourced materials :

- Ecological materials
- Wood, hemp, straw, etc...

Geopolymer materials :

- Green concrete
- Low-carbon concrete
- Composite and hybrid materials.

Recycled and reused materials :

- Construction waste
- Recycled concrete, Recycled plastics.

Smart materials :

- Sensors, self-repairing materials.

Resilient Materials and Climate Change and Chemical

Aggression Adaptation :

- Design of earthquake-resistant materials
- Fire-resistant materials
- Materials resistant to saline environments.

Axis 2: Low-Carbon Construction and Energy

Efficiency

Positive Energy Buildings :

- Energy production greater than consumption,

Thermal and Acoustic Insulation :

- High-performance insulating materials

Innovative Heating and Cooling Systems :

- Heat pumps
- Geothermal energy, etc.

Axis 3: Water Management, Environment, and

Natural Resources of Structures

Rainwater recovery and treatment :

- Green roofs, recovery systems

Construction Waste Management :

- Sorting, Recycling, Valorization

Water Consumption Optimization :

- Water-efficient sanitary equipment.

Axis 4: Digitization and Modeling of Constructions:

BIM (Building Information Modeling) :

- Design, simulation, and digital management of buildings.

Sustainable Approaches,

Rehabilitation, and Renovation of Old

Buildings :

- Performance analysis and costs of new materials.

Paraseismic structure :

Approaches to integrating Artificial

Intelligence (AI) into the construction

process :

Regulations and Certifications : RPA

2024, etc

Scientific Committee

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Keynote Speakers

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- Pr. BEHIM Mourad, University of Annaba
- Pr. BELACHIA Mouloud, University of Guelma
- Pr. BORDJIBA Tarik, University of Guelma
- Pr. TAHENNI Touhami, University of Khemis Miliana

Participation fee

Category	Fee
Students	2000 DA
Teachers/researchers	3000 DA
Socio-economic actors/others	5000 DA

Submission

