

People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
General Directorate for Scientific Research and Technological Development

M'hamed Bougara University of Boumerdes
Faculty of Engineering Sciences
Research Unit: Materials, Processes and Environment

CALL FOR PAPERS



3rd International Symposium on Materials and Sustainable Development

Boumerdes - Algeria, November 07 & 08, 2017



The third International Symposium on Materials and Sustainable Development **ISMSD2017 (Ex-CIMDD2017)** will include a 2-day Conferences (**07 & 08 November**). Organized by the **Research Unit: Materials, Processes and Environment** (www.urmppe.dz) and **M'hamed Bougara University of Boumerdes**, this symposium follows the success of CIMDD 2013-2015 and continues the traditions of the highly successful series of International Conferences on the materials, processes and Environment. The Symposium will provide a unique topical forum to share the latest results of the materials and sustainable development research in Algeria and worldwide.

This event brings together the engineering, physics, and material science communities working on advanced materials and their applications. Thus, during two days, the various scientific disciplines concerned by Materials and Sustainable Development will be focused on 4 main topics. Today, with the emergence of research centers and laboratories, it is imperative to move towards solutions to the problems posed and plan them for the years to come and maintain the effort of permanent research towards new investigations.

Topics of interest for submission include, but are not limited to:

Topic 1: Advanced material and Nanotechnology

Microspores/mesopores materials, zeolites, new functional materials, composites, biomaterials, magnetic and optics materials, glasses and ceramics. Nanostructured thin films, Doped nanomaterials, Modification and characterization of nanomaterials, Nanocomposites, Inorganic and biomedical of Nanomaterials.

Topic 2: Material Chemistry and Building Materials

Materials Chemistry, Polymer materials and processing, Structural chemistry of materials, Green Building Materials and Technologies, Advances in Cement based materials, Sustainable Resources and Materials Use, Material Quality and Control, Local and Recycled Materials, Smart & Sustainable Materials, Concrete Technology, Geo-polymer composite materials.

Topic 3: Waste Management, Recycling and Environment

Advanced waste treatment technologies, Best practices of efficient waste, Energy and resource recovery, Hazardous and medical waste treatment, Innovative recycling methods and technologies, Environmental aspects of waste treatment technologies, Recycling/resource recovery, Resource efficiency, Waste policy development and waste prevention.

Topic 4: Materials Processing Technology

Materials Forming, Processing Technology for Functional Materials, Advanced Composite and Hybrid Processes, Modeling and Simulation of Manufacturing Processes, Design of Equipment and Tools, Evolution of Material Properties, Function Test and Evaluation Technology, Manufacturing and Processing

June 30 2017: Registration and abstract submission;

July 31 2017: Notification of Acceptance;

September 30 2017: Full Paper Submission;

November 07 & 08 2017: Conference Dates.

ISMSD2017**VENUE**

The **ISMSD2017** will be held at the **M'hamed Bougara University of Boumerdes, Boumerdes, Algeria.**

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