

The 3rd International School on Advanced Materials

InSAM'3

May 02-04, 2023 - Ouarzazate, Morocco

Welcome to InSAM'3, the Third International School on Advanced Materials, whose main topic is Materials for Solar Energy, organized in Ouarzazate, Morocco, by the **Faculty of Sciences and Techniques of Sultan Moulay Slimane University of Beni-Mellal**, in cooperation with the Executive Committee of the International Symposium on Dielectric Materials and Applications (ISyDMA) and Draa Association for Renewable Energies (DAREN). The 1st (First Moroccan School on Advanced Materials: MoSSAM'1, Faculty of Sciences Semailia, Marrakech, Morocco, April 15-17, 2018) and 2nd (Second Moroccan School on Advanced Materials: MoSSAM'2, Moroccan Foundation for Advanced Science, Innovation and Research, MAScIR, Rabat, Morocco, June 24-25, 2019) schools in the series were successfully conducted with the participation of more than 65 young researchers. From the current edition, the name of the MoSSAM school will be changed to: International School on Advanced Materials (InSAM). This third edition of InSAM will focus on materials for solar energy.

We are delighted to invite you to attend the InSAM'3 school which will be held in May 02-04, 2023 at We are delighted to invite you to attend the InSAM'3 school which will be held in May 02-04, 2023 at the Congress Palace of Ouarzazate. The scope of this international school is to familiarize PhD students and junior researchers with the state of the art in advanced materials. The young researchers will have the opportunity to be specifically trained by leading researchers on advanced experimental techniques and theoretical approaches in various fields in materials science for solar energy.

Posters will be on display throughout the InSAM'3 school. Poster presenters are encouraged to be present near their posters during coffee breaks each day. In addition, presenters are encouraged to present highlights from their posters in 5 minutes after courses (please see the session program). A poster competition will be organized with the nomination of the three best posters evaluated according to their

scientific quality, the relevance of the research topic and the style of presentation. All courses and presentations at the InSAM'3 school will be in English.

Furthermore, the young researchers will have the opportunity to discuss last methodologies and scientific advances. The program includes classes as well as social events.

Please register using the InSAM'3 registration form. The deadline is January 31, 2023. Registration will be closed when we reach the maximum number of participants.

Topics

The InSAM'3 school will provide an international forum for reporting the recent developments in advanced materials and applications, including, but not limited to, the following themes:

- Topic 1: Solar energy:
 - Development and use of solar energy.
 - Materials for energy conversion.
 - Solar fuels.
 - Storage technology and materials.
 - Energy-saving technology.
 - Green building materials.
 - Environmental materials.
- Topic 2: Advanced materials:
 - Synthesis techniques of advanced materials and nanomaterials.
 - Advanced structural materials, ceramics and composites.
 - Biomaterials.
 - Polymeric materials and polymer nanocomposites.
 - Inorganic and hybrid materials.
 - Nanostructured materials for functional applications.
 - Nanomaterials single crystals, nanomaterials, multifunctional for diverse applications.
 - Nanofluids for heat transfer.
 - Thin film coatings.

Committees

Honorary Committee

- Prof. Abdelaziz Bendou, President of Ibn Zohr University, Agadir, Morocco.
- Prof. Mustapha Aboumaarouf, President of Sultan Moulay Slimane University, Beni-Mellal, Morocco.
- Prof. Said Melliani, Dean of Faculty of Sciences and Techniques, Sultan Moulay Slimane University, Beni-Mellal, Morocco.

Chair Committee

- Prof. Mustapha Mabrouki, Faculty of Sciences and Techniques, Sultan Moulay Slimane University, Beni-Mellal, Morocco.
- Prof. Thami Ait-Taleb, Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco.
- Prof. Hassan Chaib, Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco.
- Prof. Amane Oueriagli, Faculty of Sciences Semailia, Cadi Ayyad University, Marrakesh, Morocco.
- Prof. Mohamed Essaid Achour, Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco.

Organizing Committee

- Prof. Abdelkader Outzourhit, Faculty of Sciences Semailia, Cadi Ayyad University, Marrakesh, Morocco.
- Prof. Mustapha Ait Ali, Faculty of Sciences Semailia, Cadi Ayyad University, Marrakesh, Morocco.
- Prof. Rajaa Touahni, Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco.
- Prof. Amina Tachafine, Littoral-Côte d'Opale University, France.
- Prof. Yassine Darmane, Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco.
- Dr. Dris Ait El Haj, Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco.
- Prof. Rachid Idouhli, Faculty of Sciences Semailia, Cadi Ayyad University, Marrakesh, Morocco.
- Prof. Mohamed Akhsassi, Faculty of Applied Sciences of Ait-Melloul, Ibn Zohr University, Morocco.
- Prof. Mohammed Khenfouch, Faculty of Applied Sciences of Ait-Melloul, Ibn Zohr University, Morocco.
- Prof. Lahcen Ouboubker, Faculty of Applied Sciences of Ait-Melloul, Ibn Zohr University, Morocco.
- Prof. Abdelkrim El Mouatasim, Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco.
- Dr. Ing. Mohamed Dharif, National Office for Electricity and Drinking Water, Ouarzazate, Morocco.
- Dr. Sofia Boukheir, MAScIR (Moroccan Foundation for Advanced Science, Innovation and Research), Rabat, Morocco.
- Dr. Yassine Nioua, Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco.
- Dr. Najoua Aribou, Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco.
- Dr. Zineb Samir, Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco.
- Dr. Ilham Bouknaitir, Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco.

- Dr. Chayma Naceur Aboueloula, Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakesh, Morocco.
- Dr. Rajae Belhimria, Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco.
- Mr. Said Amounas, Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco.
- Mr. Abdellah Hbab, Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco.
- Mr. Nidal Khemmou, Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco.
- Mrs. Salma Kaotar Hnawi, Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakesh, Morocco.

Important Dates

- Deadline for registration and abstract submission: January 31, 2023.
- Notification of abstract acceptance: February 15, 2023.
- Deadline for payment of registration fees: February 28, 2023.
- Arrival of the participants and registration: May 02, 2023 (starting at 08:30).
- Beginning of the school: May 02, 2023 (starting at 10:00).

Lecturers

- Prof. Roger M. Leblanc, University of Miami, USA.
- Prof. Abdelkader Outzourhit, Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakesh, Morocco.
- Prof. Ashok Vaseashta, International Clean Water Institute, Manassas, Virginia, USA.
- Prof. Hamid Oughaddou, CY Cergy Paris University, France.
- Prof. Luis Cadillon Costa, I3N, Physics Department, University of Aveiro, Portugal.
- Prof. Marinella Striccoli, National Research Council of Italy, Institute for Physical and Chemical Processes, Bari Division, Bari, Italy.
- Prof. Mustapha Mabrouki, Faculty of Sciences and Techniques, Sultan Moulay Slimane University, Beni-Mellal, Morocco.
- Prof. Thami Ait-Taleb, Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco.
- Prof. Plamen Petkov, University of Chemical Technology and Metallurgy, Sofia, Bulgaria.
- Prof. Tamara Petkova, Bulgarian Academy of Sciences, Sofia, Bulgaria.
- Prof. Cyril Popov, Institute of Nanostructure Technologies and Analytics Center for Interdisciplinary Nanostructure Science and Technology, University of Kassel, Germany.

- Prof. Mustapha Jouiad, University of Picardie Jules Verne (UPJV), Amiens, France.
- Prof. Alberto Vomiero, Division of Materials Science, Department of Engineering Sciences and Mathematics, Luleå University of Technology, 97187 Luleå, Sweden.

Social Events

In addition to the scientific program of InSAM'3, the attendees will have a chance to discover the beauty of Ouarzazate city and its region diversity. They will have the opportunity of seeing several tourist sites such as the historic site of the Kasbah of Ait Benhaddou, that of the Kasbah of Taourirt, the Solar Complex Noor Ouarzazate and the Atlas Film Studio. By reflecting the Moroccan sense of hospitality and generosity combined with fun, the social program will be extraordinary for the participants and their companions.



Registration

The number of participants is limited. PhD students and young researchers, from academia and industry, are strongly encouraged to participate in the InSAM'3 school. Please register using the InSAM'3 registration form. The deadline is January 31, 2023. Registration will be closed when we reach the maximum number of participants. Participants will have the opportunity to present their posters that will be displayed during a special session. For this purpose, PhD students and junior researchers are invited to submit, to InSAM'3, their abstracts (in Microsoft Word format only: .doc or .docx) for original contributions. Please see the abstract template on the website. The poster presentations must be prepared by taking into account the following:

- Poster presentation: The posters should be edited only in English.

- Poster size: The maximum poster size is limited to A1 (59.4 cm width and 84.1 cm height).
- Award prizes: During the school, a committee will identify the best poster presentations in the poster session. Hence, the organizing committee of InSAM'3 will appoint the winners of the "Award for Encouragement of Research". The winners will be announced during the closing ceremony.
- Registration: For application, please:
 - fill and submit the registration form on the website.
 - prepare your abstract according to the abstract template and send it to the following address: insam3.school@gmail.com.

Registration Fees

- PhD students: 1000,- MAD.
- Others: 2000,- MAD.

NB: Registration fees cover access to InSAM'3 courses, documents, school materials, lunches and coffee breaks.

Contacts

Prof. Mustapha Mabrouki, InSAM'3 School Chairman:

- Tel: +212 600 596 992.
- E-mail : insam3.school@gmail.com.

Web site

For more details about InSAM'3, please visit the web site at <https://www.isydma.com/insam3/>.

Venue

InSAM'3 school will be held at the Congress Palace of Ouarzazate, Morocco.

