



7th International Workshop for Applied Mathematics and Modeling WIMAM'2023"

December 13-14, 2023

Topics

- Integral equations, optimization and numerical methods (Email: wimam.eiomn23@gmail.com)
- Differential equations and operator theory (Email: wimam.edto2023@gmail.com)
- Fixed point and fractional theory (Email: wimam.pff2023@gmail.com)
- Others (Email: wimam.as2023@gmail.com)



Important dates :

- Submission deadline: December 6, 2023
- Final program December 11, 2023
- Conference dates: December 13-14, 2023

Contact

- <https://lmam.univ-guelma.dz/>
- <https://www.univ-guelma.dz/>

❖ *Objective of the Workshop:*

The "7th International Workshop for Applied Mathematics and Modeling WIMAM'2023" aims to provide PhD students with the chance to validate their research and obtain knowledge that will benefit them in their various fields. Additionally, by offering PhD students the opportunity to clarify their goals, ask questions, and find new approaches to conducting scientific research, this event improves the environment in which researchers present their ideas to them. In order to discuss novel concepts and promote scientific cooperation, this event also aims to bring together a number of national and international research teams and to establish a forum for discussion and experience sharing.

❖ *Scientific Committee :*

Prof AISSAOUI Mohamed Zine v(Univ- Geulma)

❖ *Organising Committee:*

Dr. ARIES Mohammed es-salih (Univ- Geulma)

❖ *Conditions of participation :*

To participate in WIMAM'2023, interested researchers are invited to submit an abstract of at least two pages, along with 4 or 5 keywords and a few references. Submitted papers should be written in either English or French, prepared in TeX or LaTeX, complete the registration form (see the template and registration form on the LMAM Laboratory website and the University 8 May 1845 website), and send them by email to the address dedicated to each ROOM.

❖ *Participation fees without accommodation :*

- Student 3000 DA
- Teacher-Researcher 6000 DA

❖ *Participation fee with accommodation :*

- 01 night: 10000 DA
- 02 nights: 15000 DA

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ROOMS



Room 1

❖ Integral equations, optimization and numerical methods

Integral equations play a significant role in science and modeling, and optimization remains a central pillar of mathematical and decision-making techniques. On the other hand, numerical methods are indispensable in today's digitized world. However, our laboratory's research teams are very interested in these fields.

Room 2

❖ Differential equations and operator theory

Differential equations are used to model phenomena such as the weather, medicine, etc. Understanding them means understanding the mechanisms of the world around us. Operator theory is an important branch of mathematics that studies the properties and behavior of functions that transform an input into an output. This theory is used in many fields, including physics, information engineering, economics, statistics, finance and data analysis.

Room 3

❖ Fixed point and fractional theory

Fixed point theory is at the heart of nonlinear analysis, since it provides the tools for existence theorems in many different nonlinear problems. Fractional theory, on the other hand, is used in many fields of physics involving scattering phenomena, such as electromagnetism, acoustics and thermics.

Room 4

❖ Others

This session is intended to allow researchers to participate, explore our specialties, and provide us with the opportunity to collaborate with them on research projects that will open up new horizons..

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