University of Adrar
Faculty of Matter Sciences, Mathematics and Computer Science (FSMMI)
Laboratory of Mathematics, Modelling and Applications (LaMMA)

جامعة أحمد دراية ـ أدرار

LaMMA

Scientific Days of the LaMMA Laboratory, December 9–10, 2024

These scientific days, organized by the Laboratory of Mathematics, Modeling, and Applications (LaMMA) at the University of Adrar, form a key part of LaMMA's activities. The event serves as a platform for researchers, particularly young researchers and doctoral students, to showcase and discuss their recent work, expand their professional networks, and build valuable connections with fellow scholars. Additionally, it highlights the pivotal role of mathematics in education, showcasing its importance as a cornerstone for sustainable development.

The primary objective is to spotlight advancements and innovative research findings, both theoretical and applied, across a wide range of disciplines.

DECEMBER 09- 10,2024 AT 08:30 AM

LaMMA Activity Room 📍

THEMES:

- Analysis and control of dynamic systems.
- Ordinary and partial differential equations and their applications.
- Stochastic differential equations and their applications.
- Numerical analysis and scientific computing.
- Mathematical modeling.
- Statistics and stochastic analysis.
- Functional analysis and fixed-point theory.

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Program overview

Monday, December 09, 2024		
09:00–09:15	Opening	
09:15–10:00	Pr. Abdelkader Aissat	Les mathématiques et leur impact sur le secteur de la technologie et des communications
10:00-10:20	Khadidja Mebarki	Fixed Point Theorems for Multivalued Mappings on Bipolar b-Metric Spaces
10:20-10:30	Coffee/Tea Break	
10:30-10:50	Abdeldjalil Kadri	Dynamics for a SVIR stochastic COVID-19 epidemic model
10:50-11:10	Fatima Abdellaoui	Square Integrability , Boundedness and Stability Properties of Solutions for Nonlinear Neutral Third Order Integro-Differential Equations With Variable Delay
11:10-11:30	Samiha Mouchir	Existence Results for Non-Instantaneous Impulsive Stochastic Integro-differential Equations Driven by a Fractional Brownian Motion
11:30-11:50	Zineb Dalla	p-Mean asymptotically (ω, c)-almost periodic type stochastic processes and applications
11:50-12:50	Said Bouaziz	Computing and Visualizing Mathematical Functions with MATLAB

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Tuesday, December 10, 2024		
09:00–09:30	Ahmed Keddi	On a truncated thermoelastic Timoshenko system : Existence and stability
09:30-10:00	Touhami Mamouni	On the Asymptotic Analysis of Problems in Cylinders Becoming Unbounded.
10:00-10:20	Abdellah Meskine	Stability and boundedness of solutions for some second-order non-linear vector delay differential equations of neutral type
10:20-10:30	**Coffee/Tea Break**	
10:30-10:50	Boubakr Lamouri	Analysis and Dynamics of Tuberculosis (TB) with Vaccination and Treatment.
10:50-11:10	Mohammed Kohaili	Implémentation de quelques modèles de la métaheuristique utilisées en épidémiologie
11:10-11:30	Mhammed Mediani	Stationary distribution and extinction of a stochastic Measles model with Ornstein-Uhlenbeck process
11:30-12:30	**Discussion and Closing**	

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