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**DEA' 25, WILL BE HELD IN THE FACULTY OF
MATHEMATICS AND COMPUTER SCIENCES,
TIARET.**

Dea25.lrias@gmail.com

CONTEXT

This scientific event focuses on recent advances in differential equations and their applications across various scientific and engineering fields. It aims to highlight the current state of research, emerging theoretical challenges, and new trends in modeling complex phenomena. The meeting gathers experts to exchange ideas on advanced techniques and multidisciplinary applications. Special attention is given to fractional, semilinear and nonlinear systems in divers configurations.

TOPICS AND KEY AREAS

A) Nonlinear evolution equations

These equations describe how a system evolves over time with non-proportional relationships between variables. They model complex phenomena like waves, turbulence, and chemical reactions.

B) Fractional differential equations

These equations use derivatives of fractional order to model systems with memory or complex behavior. They are useful in physics, biology, and engineering for more realistic descriptions of phenomena.

MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH
IBN KHALDOUN UNIVERSITY – TIARET
FACULTY OF MATHEMATICS AND COMPUTER
SCIENCE



(LRIAS) ARTIFICIAL INTELLIGENCE AND SYSTEMS
RESEARCH LABORATORY



أيام دراسية حول المعادلات التفاضلية وتطبيقاتها

DEA'25

**STUDY DAYS ON DIFFERENTIAL EQUATIONS AND
APPLICATIONS**

DEC 01 – 02 / 2025 TIARET

HONORARY PRESIDENTS

Pr. B. Belgoumane, Rector of Ibn Khaldoun university – Tiaret.

Dr. A. Larabi, Dean of the Faculty of mathematics and computer science.

CHAIR OF THE DAY

Pr. M. Ziane FMI, Ibn khaldoun university – Tiaret.