Laboratory of
Research in Analytical and Operational
Methodological Applications in Economics
Oran Graduate school of Economics
&
Laboratory of
Industry, Organizational Development of
Institutions, and Innovation Khemis Meliana
University

Organize

Under the high patronage of the Director of the
Graduate School of Economics of Oran

THE NATIONAL CONFERENCE:
Mathematical Methods in Economics Analysis
Oran 1st \ 2nd June 2024

وزارة التعليم العالي والبحث العلمي
المدرسة العليا للاقتصاد - وهران

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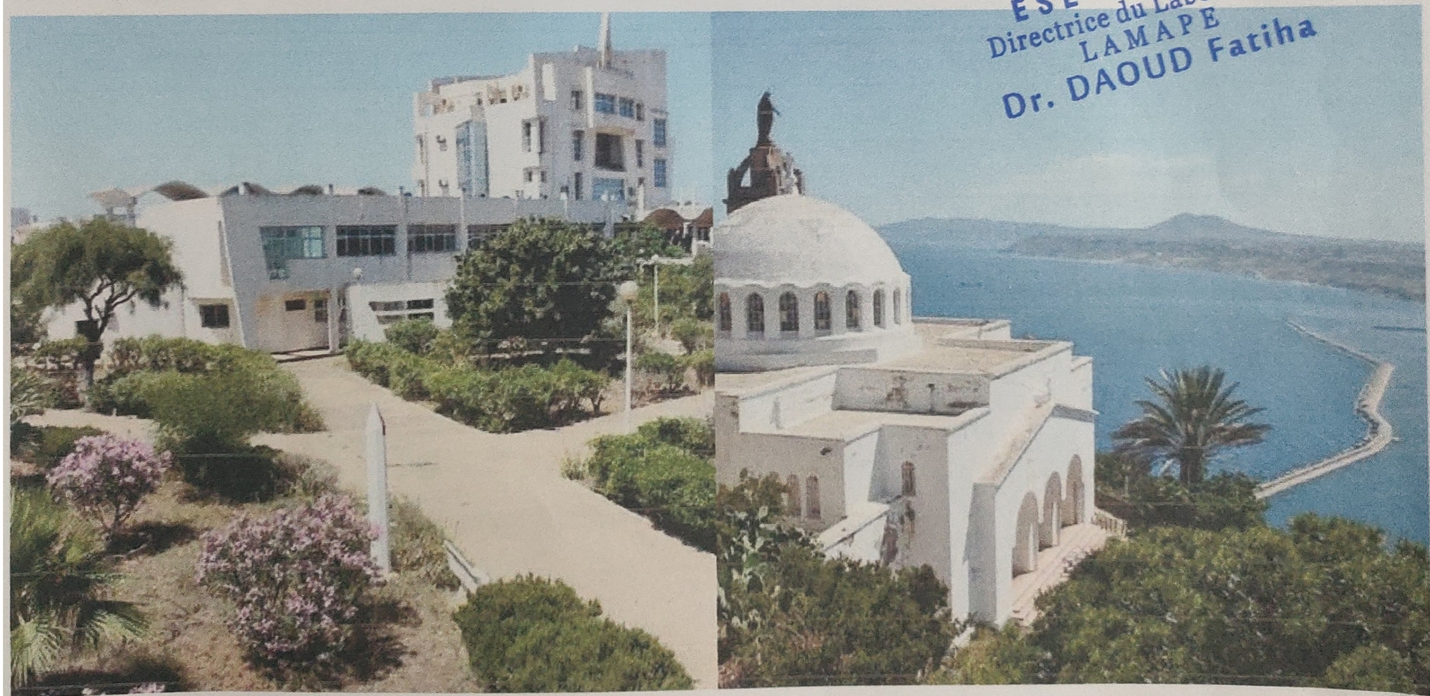
Dr. DAOUD Fatiha



**FOR MORE INFORMATION
PLEASE CONTACT**

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Saturday 01/06/2024

Morning period

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Opening ceremony

Chairman: Prof. El Moubarek Mohamed

9:30	**Prof. Yousfate Abderrahmane, University of Sidi-Bel-Abbes** Les processus de Markov dans les processus décisionnels en économie
10:00	**Prof. Benbouziane Mohamed, Abou Bakr Belkaid University of Tlemcen** The Marriage of Math and Economics: A Symbiotic Dance with Nuance
11:00	**Coffee Break**

Chairman: Dr Bekkara Samir

11:30	**Prof. Bebbouchi Rachid, University of Science and Technology Houari Boumediene (USTHB)** Une histoire de l'Intelligence Artificielle et ses conséquences en Economie
12:00	**Prof. Ziad M'hamed** La modélisation en équilibre général calculable : Un réexamen
13:00	**Break**

Saturday 01/06/2024

Afternoon period

ROOM 1

Moderated by Dr Abderrahim Belaidi & Dr El Habib Mekkaoui

14:00	**Dr Takhedmit Baya, Fatah Cheurfa & Karim Abbas** Numerical analysis of European call option
14:20	**Dr Belbargat Zoulikha** "On the Conjecture of Ayad and Kihel": Une plongée approfondie dans la théorie des nombres
14:40	**Dr Bada Abdelhak & Djouamaa Amine** L'importance des mathématiques économiques dans le processus de prise de décision
15:00	**Dr Benghalem Abdelhadi & Ahlem Touil** Econometric model selection framework for time series analysis: A case study using CO2 emissions and agricultural-livestock production data from Algeria
16:00	**Closing**

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ROOM 2

Moderated by Dr Linda Fatima Oudjedi Damerdji & Dr Mohammed Meziane

14:00	**Dr Moulai-Khatir Anes** Economic Dynamics of Fisheries: A Mathematical Variable Price Model
14:20	**Abderrahim Sidi Mohammed** Controlling pest insect dynamics: harnessing parasitoids as effective agents
14:40	**Dr Medjahed Djilali & Dr Abdelkader Benali** New Exact Solutions of a Nonlinear Black-Scholes Equation in Mathematical Finance
15:00	**Abdellaoui Fatima & Rahmane Mebrouk** Boundedness and Stability of Solutions to Third Order Nonlinear Integro-Differential Equations of Neutral Type With Retarded Argument
16:00	**Closing**

Saturday 01/06/2024

Afternoon period

ROOM 3

Moderated by Dr Ikram Khelil & Dr Mohamed Saidi

14:00	**Elias Taki Eddine Mohammed Chikouche & Fatima Benziadi** Existence and uniqueness of the solutions to natural equations under non-Lipschitz conditions
14:20	**Dr Mammar Bounouar** Econometrics of shadow economy, the predictability of Algerian informal exchange rate
14:40	**Dr Bouredji Hind & Sayah Abdallah** Bias correction of kernel density estimator
15:00	**Khelifa Berkane** SIRDS epidemic modeling enhanced by fractional brownian motion
15:20	**Dr Chellali Cherifa & Dr Daoud Fatiha** Mathematical foundation in economic modeling : the role of invertible matrices in input-output analysis
16:00	**Closing**

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ROOM 4

Moderated by Dr Latifa Mokhtari & Dr Cherifa Chellali

14:00	**Dr Soulimane Nesrine** Impact de la pandémie du COVID-19 sur l'économie algérienne – Analyse statistique
14:20	**Dadouche Khadidja** Transcendence of e
14:40	**Mouchir Samiha & Abdeldjalil Slama** Numerical methods for generalized stochastic Volterra integro-differential equations
15:00	**Dr Djerroud Lamia** L'influence du choix du noyau discret dans l'estimation non paramétrique de la fonction de régression
15:20	**Dalla Zineb & Khalladi Mohammed Taha** Square mean (w,c)-periodic limit type stochastic process and square mean asymptotically (w,c)-periodic type stochastic process
16:00	**Closing**

Sunday 02/06/2024

Morning period

ROOM 1

Moderated by Dr Abdelhadi Benghalem & Dr Abdelhak Bada

9:00	**Dr Laib Ilias** Translated sums on quasi-primitive sequences
9:20	**Dr Kebaili Siham** Refined descriptive sampling algorithm for dependent variables using Iman and Conover method in Monte Carlo simulation
9:40	**Dr Younsi Leila** Optimisation d'une fonction fractionnaire sur le front de Pareto
10:00	**Dr Bennihi Aymen Salah & Dr Kaci Nadjet** Deep learning models versus traditional time series methods a comparative study for crude oil price prediction
10:20	**Break & Poster session**
10:50	**Zouai Chabha** L'utilisation de l'économétrie dans le secteur énergétique
11:10	**Dr Belaidi Abderrahim & Bensirat Dounia Amira** Statistical Study and Econometric Modeling of Factors Influencing Healthcare Seeking
11:20	**Dr Mekkaoui El Habib, Dr Rennane Rabeh & Dr Belaidi Abderrahim** Critères d'évaluation pour l'analyse macroéconomique en Algérie
11:45	**Closing ceremony**

ROOM 2

Moderated by Dr Mostepha Naceri & Dr Mohamed Merras

9:00	**Dr Segueni Fouzia** Contrôlabilité à zéro pour les problèmes de diffusion à données incomplètes
9:20	**Nichani Rabia & Gasmi Laid** Time Series Forecasting using LSTM and XGBoost
9:40	**Bellabes Zineb & Naima Boussekine** Analysis of existence and uniqueness in a Delayed variable-order fractional differential equation
10:00	**Belqassim Azzouz & Moustafa Beddani** Study of a coupled system of fractional differential equations
10:20	**Break & Poster session**
10:50	**Berrailes Ali & Abdallah Beddani** Variational problem with two maximal monotone operators
11:10	**Dr Barache Bahia & Samir Arezki** Mann's iteration scheme with random errors for solving Volterra Integral equation
11:45	**Closing ceremony (in ROOM 1)**

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Sunday 02/06/2024

Morning period

ROOM 2

Moderated by Dr Amina Alloun & Dr Amal Argillos

9:00	**Bendhina Meriem & Fillali Youcef** نماذج التنبؤ الرياضي بالمخاطر في البنوك التجارية الجزائرية (دراسة حالة)
9:20	**Dr Kamel Tahri & Khadra Tahri** Existence and uniquence solution for Biharmonic-Kirchhoff Equation
9:40	**Djelouat Ouardia & Pr Lahlou Chérif** Le secteur pharmaceutique algérien entre développement industriel et gestion des pénuries des produits pharmaceutiques
10:20	**Break & Poster session**
10:50	**Dr Oudjedi Damerdji Linda Fatima** Etude de la stabilité asymptotique du modèle de cycle économique de Kaldor Kalecki
11:10	**Dr Khelil Ikram** Optimisation économique et gestionnaire : Théorie, méthodes et applications
11:45	**Closing ceremony (in ROOM 1)**

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ROOM 4

Moderated by Dr Fatima Zohra Benaceur & Dr Rennane Rabeh

9:00	**Boukarabila Siham** Non local elliptic problem with superlinear dependence on the gradient
9:20	**Dr Meziane Mohammed** Mathématiques et industrie
9:40	**Hettadj Djamel-Eddine & Habib Djourdem** Existence and uniqueness for fractional differential equations with multipoint and multi-term integral boundary conditions
10:00	**Dr Nehari Mohamed & Mustapha Yebdri** Existence of a periodic solution for a state-dependent Delay differential equation with a singular perturbation
10:20	**Break & Poster session**
10:50	**Fatima Zohra Bengrine** Elliptic Lane-Emden systems with inverse square potential
11:10	**Dr Abeidallah Mohammed** Estimate Hazard function : functional data case
11:20	**Mouli Kawther** Revisiting the Erdus conjecture: a correction to Lichtman's proof
11:45	**Closing ceremony (in ROOM 1)**

Sunday 02/06/2024

Morning period

Poster session

Naas Youcef
Recursive methods for solving linear systems

Benaouda Oum elkheir
For censored dependent data and functional regressors, strong uniform consistency of a non parametric estimator of a conditional quantile

Dr Bekai Djilali
(n, m) Power-(D, A)-Hyponormal Operators in Semi-Hilbertian Space

Omar Alimerina
Nonexistence of global weak solutions of damped wave equation with nonlinear memory

Bouzid Houari & Dr Benali Abdelkader
Analysis of Solutions to q-Fractional Differential Systems with Caputo Derivative and Nonlinearities

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