



**National Seminar**  
**Mathematics, Mathematics and Society (MMS2023)**  
University of M'sila and ENS Bousaâda  
October 25-26, 2023

PROGRAM SCHEDULE

**2nd day**

ENS BOUSAADA ON OCTOBER 26, 2023

**08 :30 - 09 :10. Registration & Opening Speeches**

**Speeches; Invited Speakers**

- 09:10-09:35** DR. KADRI SAID, *University of Mohamed Boudiaf-M'sila*  
*Artificial Intelligence and Mathematics*
- 09:35-10:00** PROF. BENDJEDDOU AHMED, *University of Ferhat Abbas-Sétif I*  
*Méthodes d'intégration pour les Systèmes différentiels*
- 10:00-10:25** PROF. FARID MESSELMY, *University of Ziane Achour-Djelfa,*  
*Nombres Duaux et Leurs Fonctions*

**10 :30 -10 : 50. Coffee Break**

- 10:50-11:15** DR. MOHAMED CHETITAH, ENS. *Kouba, Algiers*  
الشرعية التعليمية لإدراج طريقة التخلي عن قيد كمورد منهجي يساعد على معالجة مشكلات الانشاء في مرحلة التعليم المتوسط
- 11 :15-11 :40** PROF. RACHID BEBBOUCHI, *SMA*  
*Une histoire de l'Intelligence Artificielle*

**11 :40 -13 :40. Lunch**

**Short Talks**

**Room 1: Functional Analysis**

- 13:45-14.00** - Mr. Bahi Mostafa, *Univ. El Oued*  
*A numerical solution of parabolic quasi-variational inequality using multigrid methods*
- 14:00-14:15** - Ms. Imane Achour, *Univ, Biskra;*  
*On the Analytical Solutions of Integro-Partial Differential Equations*
- 14:15-14:30** - Dr. Mohammed Bassoudi, *Univ, Laghouat*  
*Integration of the Vector Error Correction Model within the Classical Normal Linear Regression Framework*
- 14:30-14:45** - Dr. Rabah Belbaki, *ENS Kouba*  
*ON THE MONOTONE GENERALIZED -NONEXPANSIVE MAPPINGS IN HYPERBOLIC SPACES.*

**14:45 -15:05 . Coffee Break**

- 15 :05-15.20** - Mr. Naceur Chegloufa, *Univ. Blida*  
*On a Class of Neutral Fractional Delayed Evolution Equations*
- 15 :20-15 :35** - Dr. Latreche FAIZ, *Univ, M'sila ;*  
*Le Théorème du Graphe ferme' dans le cas multilinéaire Asymétrique*

---

## Room 2: Applied Mathematics

13:45-14:00 - Dr. Abdelkrim Bencheikh, *Univ. Ouargla.*

*Operational matrices of Two-dimensional Boubaker polynomials and their applications.*

14 :00-14 :15 - Mr. MANI Abdelouahab, *Univ, M'sila;*

*Solving a System of Integral Equations.*

14:15-14:30 - Ms. Souad BOUNOUIGA, *Univ, M'sila*

*Stability Analysis and Existence of Solutions for a Modified*

14:30-14:45 -Dr. Messaoud Touahria, *Univ, M'sila*

*Stabilization of Bilinear Switching Control Systems by a Mode-Dependent Average Dwell Time Strategy.*

---

## 14 :45 -15 :05. Coffee Break

---

15 :05-15.20 - Dr. Noura Bounab, *Univ. M'sila.*

*Résolution Analytique d'un Problème d'Écoulement Potentiel en absence de Gravité*

---

## Room 3: Math's Apps: Physics, Computer Science, Artificial Intelligence, and History of Mathematics.

13:45-14:00 - Mr. Mohamed ACHOUR, *Univ. Bejaia.*

*The spin-one DKP equation with a pseudo harmonic potential in the non-commutative space.*

14 :00-14 :15 -Dr. Zerrouki Mokhtar, *ENS Kouba*

الكسور في التعليم التقليدي المغاربي في فترة ما بين القرنين 7/12م - 10/15م

14 :15-14 :30 - Dr. Mahmoud Chenti, *ENS Kouba.*

الرياضيات وعلم التشفير

14:30-14:45 - Dr. Saadaoui Kheir, *Univ, M'sila;*

*Application of Fuzzy Logic in Society*

---

## 14 :45 -15 :05. Coffee Break

---

15 :05-15.20 - Dr. Smati Abdellatif, *ENS Bousaâda*

تطبيقات الإحصاء الوصفي خلال فترة انتشار وباء كورونا وما بعدها

15 :20-15 :35 - Dr. Ahmed ABBASSI, *ENS Bousaâda ;*

حساب حجم قبة كروية في نطاق الحضارة العربية الإسلامية (ق. 9-15م)

---

## Room 4: Algebra, Number Theory.

13:45-14:00- Mr. Abdelhak Taane, *Univ. Ouargla.*

*On some double binomial sums related to the Horadam sequence*

14:00-14:15 - Dr. Mesclem KARRAS, *Univ. Khemis Miliana*

*Hyperbolic Summation for Fractional Sums*

14:15-14:30- Dr. Soheyb Milles, *Univ, Center Barika*

*Several types of neutrosophic ideals and filters on a lattice*

14:30-14:45 -Dr.Omar Barkat, *Univ, Center Barika*

*On the traces of a ternary relation and their usefulness in characterizing its basic properties.*

---

---

**14: 45 -15:05. Coffee Break**

---

---

**15 :05-15:20-** Mr. Adem Aikous, Univ. Bordj BouArreridj

*Rota-Baxter operators on quotient group*

**15 :20-15 :35 -** Mr. Zehani Oussama, Univ. M'sila

*The relationship between topologies and some binary relation*

---

---

**15:45 -16:15. Closure**

---

---

