

Programme

Première Rencontre Nationale du Laboratoire “Modélisation et Structures Mathématiques”

Faculté des Sciences et Techniques Fès, 3 - 4 Décembre 2021

Vendredi, 3 Décembre

8H 30 - 10H		Ouverture	
Horaire	Durée	Chairman : O. Sidki	
10H - 10H 30	30 min	M. Boulagouaz	
10H 30 - 11H	30 min	A. Rochdi	
11H - 11H 20	20 min	E. Fliouet	
11H 20 - 11H 40	20 min	A. Seddik	
11H 40 - 12H	20 min	M. El Ouarrachi	
12H - 12H 20	20 min	L. Lafhim	
13H - 15H		Déjeuner	
		Session 1 : Analyse	Session 1 : Algèbre
Horaire	Durée	Chairman: M. Ettaouil	Chairman: R. Tribak
15H - 15H 20	20 min	G. Chaachoui	E. Idnarour
15H 20 - 15H 40	20 min	K. Zahari	S. Saber
15H 40 - 16H	20 min	E. Hssayni	K. Ben ouidren
16H - 16H 20	20 min	S. Id Ouazziz	K. Charrabi
16H 20 - 16H 40	20 min	Z. Hamidi	N. Motya
16H 40 - 17H	20 min	C. Bakary D	Z. Cheddour
17H - 17H 30		Pause Café	

		Session 2 : Analyse	Session 2 : Algèbre
Horaire	Durée	Chairman: R. ElKhaoulani ElIdrissi	Chairman: F. Kourki
17H 30 - 17H 50	20 min	S. Oustani	S. Hadji
17H 50 - 18H 10	20 min	H. Hmarras	M. Ayoubi
18H 10 - 18H 30	20 min	N. Kamali	A. Mouzoun
18H 30 - 18H 50	20 min	O. Abad	Y. Aissi
18H 50 - 19H 10	20 min	M. A. Taybi	H. Benyakkou
19H 10 - 19H 30	20 min	M. El Beldi	J. Didi
19H 30 - 19H 50	20 min	M. Cherifi Alaoui	O. Kchit

Samedi, 4 Décembre

Horaire	Durée	Chairman : F. Ezzaki
9H - 9H 30	30 min	A. Mouhib
9H 30 - 9H 50	20 min	F. Kourki
9H 50 - 10H 10	20 min	O. Ait Zemzami
10H 10 - 10H 30	20 min	K. Alaoui Ismaili
10H 30 - 10H 50	20 min	Y. Zahir
10H 50 - 11H 20		Pause Café
Horaire	Durée	Chairman : A. Hilali
11H 20 - 11H 40	20 min	A. El Khalfi
11H 40 - 12H	20 min	A. Raji
12H - 12H 20	20 min	K. El Fahri
12H 20 - 12H 40	20 min	I. El Fassi
12H 40 - 13H	20 min	A. Essanhaji
13H - 15H		Déjeuner

Horaire	Durée	Chairman : L. Oukhtite
15H - 15H 20	30 min	M. Es-saidi
15H 20- 15H 40	20 min	M. Soibri
15H 40 - 16H	20 min	S. Moussaoui
16H - 16H 20	20 min	M. Zerra
16H 20 - 16H 40	20 min	K. Bouchannafa
16H 40 - 17H	20 min	A. Anebri
17H - 17H 20	20 min	L. Es-salhi
17H 20 - 17H 50		Pause Café
Horaire	Durée	Chairman : M. Tamekkante
17H 50 - 18H 10	20 min	H. Aharssi
18H 10 - 18H 30	20 min	S. Dakir
18H 30 - 18H 50	20 min	K. Kaiba
18H 50 - 19H 10	20 min	O. A. Es-Safi
19H 10 - 19H 30	20 min	A. Assarrar
19H 30 - 19H 50	20 min	F. Z. Guissi

Programme (en détails)

Programme

Vendredi, 3 Décembre 2021

8h30-10h : **Ouverture**

Chairman : O. Sidki

10h - 10h 30 : Sur l'âge d'or des Mathématiques Arabes

M. Boulagouaz (Ex-Professeur de l' Université King Khalid, Abha-Arabie Saoudite et de l' U. S. M. B. A, Fès)

10h 30 -11h : Finite Dimensional Real Division Algebras

Abdellatif Rochdi (F. S. Ben M'Sik, Casablanca)

11h - 11h 20 : Generalization of Krafts Theorem

E. Fliouet (C. R. M. E. F, Agadir)

11h 20 -11h 40 : Weakly Co-Hopfian Abelian Groups

A. Seddik (F. S. Ain Choc, Casablanca)

11h 40 -12h : On Power Series Armendariz Modules

M. El Ouarrachi (F. S. Ben Msik, Casablanca)

12h - 12h20 : Necessary optimality conditions for a bilevel multiobjective programming problem via a Ψ -reformulation

L. Lafhim (F. S. Dhar Mehrez, Fès)

Déjeuner

Chairman: M. Ettaouil (Session 1 : Analyse)

15h - 15h20 : Polynomial approximation and higher order derivatives of a composite function

G. Chaachoui (F. S. T, Fès)

15h20 - 15h40 : Buckling of plates made on FGM materials under compressive loadings by the finite element method

K. Zahari (F. S. T, Fès)

15h40 - 16h : Regularization of Convolutional Neural Networks using a new pooling method

E. Hssayni (F. S. T, Fès)

16h - 16h20 : Analysis of a non-linear system modeling corruption

S. Id Ouazziz (F. S. T, Fès)

16h20 - 16h40 : Feedback stabilization of delayed non-homogeneous bilinear systems

Z. Hamidi (E. N. S, Fès)

16h40 - 17h : Asymptotic heavy tail behaviour of an α stable distribution
C. Bakary D (F. S. T, Fès)

Chairman: R. Tribak (Session 1 : Algebre)

15h - 15h20 : Real Normed Algebras Satisfying $x^2 = y^2$ If And Only If $x = \pm y$
E. Idnarour (F. S. Ben MSik, Casablanca)

15h20 - 15h40 : Preservers of the local spectral subspaces of Jordan and Lie product of operators
S. Saber (F. S, Oujda)

15h40 - 16h : Property (bz) and Riesz-type perturbations
K. Ben Ouidren (F. S, Oujda)

16h - 16h20 : Certain commutativity theorems criteria for prime rings with involution involving derivations
K. Charabi (F. S., Meknes)

16h 20 - 16h40 : New class of four dimensional absolute valued algebras containing a non zero omnipresent idempotent
N. Motya (F. S. Dhar El Mahraz, Fès)

16h40 - 17h : Classification of elements in elliptic schemes over the ring $\mathbb{A}^n \oplus \mathbb{Q}[X]/\langle X-1 \rangle$
Z. Cheddour (F. P, Taza)

Chairman: R. ElKhaoulani ElIdrissi (Session 2 : Analyse)

17h30 - 17h50 : Some results on operator perturbation for K-frames in Hilbert \mathbb{C}^* -modules.
S. Oustani (F. S, Kenitra)

17h50 - 18h10 : Modeling and Mathematical Analysis of a Model of HIV Infection
H. Hmarras (F. S. T, Fès)

18h10 - 18h30 : On a fractional problem with variable exponent via three critical points theorem
N. Kamali (F. S. Dhar Mehrez, Fès)

18h30 - 18h50 : The class of generalized Drazin-Riesz invertible operators forms a regularity
O. Abad (F. S. Dhar Mehrez, Fès)

18h 50 - 19h10 : Spectral Analysis for Finite Rank Perturbation of Diagonal Operator in Non Archimedean Banach Space of Countable Type
M. A. Taybi (F. S. Dhar Mehrez, Fès)

19h10 - 19h30 : On tensor product semigroups
M. El Beldi (F. S. Dhar El Mahraz, Fès)

19h30 - 19h50 : Regularisation en deep Learning : apercu sur les normes L1, L2 et dropout
M. Cherifi Alaoui (F. S. T., Fès)

Chairman : F. Kourki (Session 2 : Analyse et Algèbre)

17h 30 - 17h50 : Further common spectral properties of bounded linear operators

S. Hadji (F. S. Dhar El Mahraz, Fès)

17h50 - 18h10 : The algebraic small dimension lemma with an anti-homomorphism on semigroups
M. Ayoubi (E. N. S. A. M, Meknès)

18h10 - 18h30 : A Class of homomorphism arising from the product in quadratic number field
A. Mouzoun (E. N. S. A. M, Meknès)

18h30 - 18h50 : A quadratic functional equation with involutive automorphisms on semigroups
Y. Aissi (E. N. S. A. M, Meknès)

18h50 - 19h10 : On monogeneity of certain pure number fields
H. Ben Yakkou (F. S. Dhar El Mahraz, Fès)

19h10 - 19h30 : On Monogeneity of certain pure number fiels defined by $X^{42} - m$
J. Didi (F. S. Dhar Mehrez, Fès)

19h30 - 19h50 : On monogeneity of certain sextic number fields defined by $x^6 + ax^5 + b$
O. Kchit (F. S. Dhar El Mahraz, Fès)

Programme

Samedi, 4 Décembre 2021

Chairman : F. Ezzaki

9h - 9h30 : On some abelian Iwasawa module
A. Mouhib (F. P, Taza)

9h30 - 9h50 : Modules whose cyclic submodules satisfy the descending chain condition
F. Kourki (C. R. M. E. F, Larache)

9h50 - 10h10 : On center-like subsets in prime rings
O. Ait Zemzami (E. S. T, Agadir)

10h10 - 10h30 : Commutative ring extensions defined by perfect-like conditions
K. Alaoui Ismaili (F. S, Rabat)

10h30-10h50 : On S -1-absorbing prime ideals in commutative rings
Y. Zahir (F. S, Rabat)

10h50 - 11h20 : **Pause Café**

Chairman : A. Hilali

11h20 - 11h40 : On (m,n) -absorbing prime ideals of commutative rings
A. El khalfi (F. S. Ain Chock Casablanca)

11h40 - 12h : Notes on 3-prime near-rings with multiplicative derivations
A. Raji (F. S. T, Beni Mellal)

12h - 12h20 : Some characterizations of L -weakly compact sets using the unbounded absolute weak convergence and applications
K. El Fahri (F. S., Agadir)

12h20 - 12h40 : Extended stability problem for two fuzzy number-valued functional equations
I. El Fassi (F. S. T., Fès)

12h40 - 13h : Interpolation polynomiale de Lagrange a plusieurs variables dans le cadre d'une configuration quelconque
A. Essanhaji (F. S., Rabat)

Déjeuner

Chairman : L. Oukhtite

15h - 15h20 : On S -rings
M. Es-saidi (F. S, Meknès)

15h20 - 15h40 : Quasi S-multiplication and weak S-multiplication modules
M. Soibri (F. S. T., Fès)

15h40 - 16h : Weakly ϕ -prime ideals
S. Moussaoui (F. S. T., Fès)

16h - 16h20 : Prime ring with derivations and generalized derivations
M. Zerra (F. S. T., Fès)

16h20 - 16h40 : Some special identities with derivations acting on the center of R/P
K. Bouchannafa (F. S. T., Fès)

16h40 - 17h : Commutative rings and modules that are r-Artinian
A. Anebri (F. S. T., Fès)

17h - 17h20 : Clean-like properties in some extensions of rings
L. Es-salhi (F. S. T., Fès)

17h20 - 17h50 : **Pause Café**

Chairman : M. Tamekkante

17h50 - 18h10 : Commutativity with algebraic identities involving hermitian and skew-hermitian elements

H. Aharssi (F. S., Meknès)

18h10 - 18h30 : On endomorphisms and commutativity of prime rings with involution
S. Dakir (F. S., Meknès)

18h30 - 18h50 : $\delta(0)$ -IDEALS OF COMMUTATIVE RINGS
K. Kaiba (F. S. T., Fès)

18h50 - 19h10 : Rings with divisibility on ascending chains of ideals
O. A. Es-Safi (F. S. T., Fès)

19h10 - 19h30 : On Graded Coherent-like properties in Trivial ring extensions
A. Assarrar (F. S. T., Fès)

19h 30 - 19h50 : The graded amalgamated algebra along an ideal
F. Z. Guissi (F. S. T., Fès)