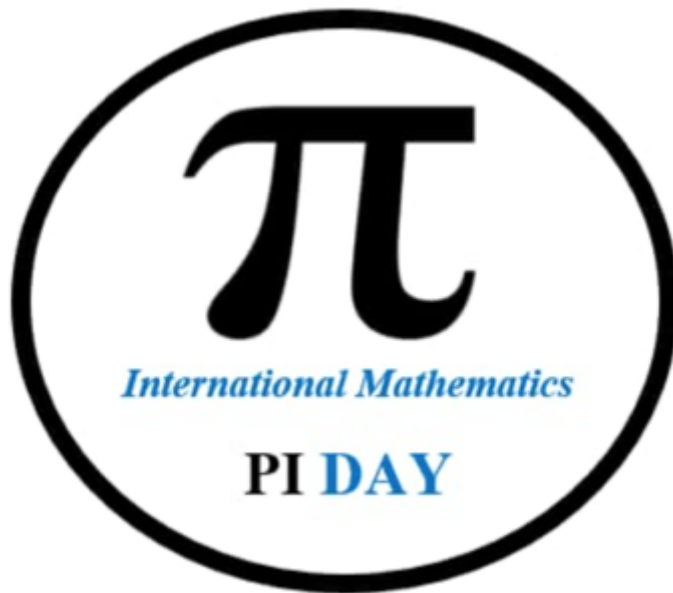




- Pi Day Program -

International Mathematics Conference

Pi Day



March 05, 2024

ENSA Al-Hoceima, Morocco



Mardi 05 mars 2024

Mardi 05 mars 2024	
Conference Link	https://meet.google.com/qvs-aody-pbh
8h00 - 9h00	Registration
9h00 - 09h30	Welcome and opening Ceremony (Amphi B)
09h35 - 10h25	Plenary conference 1: Chairman: Mohamed ADDAM <i>Prof. Mohammed HEYOUNI</i> <i>ENSA Oujda, Mohammed First University</i> <i>Title: Solving Algebraic/Differential Matrix Equations by Krylov Subspace Methods</i> https://meet.google.com/utf-fjgu-zxt
10h25 - 10h45	Welcome Coffee
10h45 - 11h40	Plenary conference 2: Chairman: Najat MORADI <i>Prof. Ahmed YOUSSEFI</i> <i>ENSA Fez, Sidi Mohammed Ben Abdellah University</i> <i>Title: Fractional Lazer-Mckenna problem with singular nonlinearity</i> https://meet.google.com/omj-ymbc-eci
11h45- 12h40	Plenary conference 3: Chairman: M. HEYOUNI <i>Prof. Mohammed SAEID</i> <i>University Mohammed VI Polytechnic</i> <i>Title: 10 years of enriched finite element methods in Morocco</i> https://meet.google.com/gcn-zkid-foj
13h-15h	Lunch Break

Oral Session n° 1

**Amphi B
Face to Face**

15h - 18h

Google Meet link: <https://meet.google.com/rkm-bekt-kyg>

Session 1

Chairman: M. ADDAM/ A. SALMANI

15h

Kaoutar LAMRINI
Sur les Fractales Auto-similaires

15h20

Anass LAMAIZI
Weak solutions for parabolic equation with dynamical boundary condition

15h40

Imane EL HADOUTI
Time-dependent Harmonic Solution for the transverse electromagnetic Maxwell's equations

16h

Mohammed BOUCHANGOUR
Some Refinements of Real Power Form Inequalities for Convex Functions via Weak Sub-Majorization

16h20

Imad EL BARKANI
Time-dependent solution for transverse electromagnetic wave problem using variational spline finite element Frequency-Domain method

16h40

Oumayma JAHID
Les Eléments Finis pour le Problème de Dirichlet Homogène

17h30

Coffee Break & Session Poster

Oral Session n° 2

**Salle 4
Face to Face**

15h - 18h

Session 2

Chairman: A. YOUSSEFI / Y. ABOU EL HANOUNE/ A. TOUKMATI

15h

AHMED BEN ABDELLAH

Harmonic Time-dependent solution for fractionary Timoshenko waves equations using High-Order spline variational method

15h20

Taibi Mohammed

Analysis of Transient Heat Transfer in Metal Plates with Varying Thickness

15h40

Youssef AMIROUNE

On Solving the Linearized Navier Stokes Equation Via Frequency-Domain Approach and Finite Volume Method

16h

Mehdi Ouakif

A Numerical Method for Stokes Problem using Fourier Transform and The Galerkin Finite Element Method

16h20

AHMED AKHAJJAM

Dynamic Deflection in Kirchhoff Plates Using Fourier Transform Discretization and Galerkin Projection

16h40

Salima BELKOUZ

On solving the Black-Scholes PDE using high-order smoothing splines Galerkin approximation for the European option

17h

Yousra El Hankouri

Damping Matrix Impact on MDOF Structures with Linear Viscous and Friction Dampers

17h30

Coffee Break & Session Poster

Oral Session n° 3

ONLINE

15h - 18h

Google Meet link: <https://meet.google.com/tmy-vpwx-vhi>

Session 3

Chairman: A. MOUSSAID / A. RIKOUANE / M. ESGHIR

15h	Hamza Rouah <i>Asymptotic and stability analysis to study the influence of some critical parameters on the reaction fronts</i>
15h15	Zakaria Taki <i>A new improvement of the Alzer-Fonseca-Kovačec inequality with applications</i>
15h30	Mouna Haddadi <i>Characterization of optional Submartingales of a new class $(\Lambda\Sigma^{\{l\}})$</i>
15h45	Zakarya Dardour <i>Optimality conditions for a bilevel optimization problem with smooth and nonsmooth data</i>
16h	Fatiha NAJM <i>Nouvelle Approche pour déterminer la fonction de Lyapunov pour les équations réaction diffusion à retard</i>
16h15	Samir Benhammou <i>Existence and uniqueness of solution for impulsive differential equations</i>
16h30	Athmane Boumazourh <i>Existence of solutions for a Class of Elliptic Systems in General Fractional Space</i>
16h45	Abdelmajid Morabit <i>Effect of Mesh Size Characterizing the Finite Element Method on Rubble Mound Breakwater Stability under Seismic Loading</i>
17h	Abdelaaziz SBAI <i>Existence of bounded solutions for a class of singular elliptic problem</i>
17h15	Driss Harzalla <i>SL(3,4) as the Automorphism Group of the [63,6,32] Binary Code</i>

Oral Session n° 4

ONLINE

15h – 18h

Google Meet link: <https://meet.google.com/kpi-okba-eae>

Session 4

Chairman: A. BOUJRAF / C. ALLOUCH / M. TAHRICHI

15h	Sahar Echajei <i>Probabilistic Approaches in Machine Learning for Early Diagnosis of Diabetes</i>
15h15	Salaheddine Belhdid <i>On the optimal control of rumored information</i>
15h30	Jawad Salhi <i>Controllability and stabilization of coupled degenerate hyperbolic systems</i>
15h45	Mahmoud El Ahmadi <i>Existence and multiplicity of solutions for double phase variable exponents problems with mixed boundary value conditions</i>
16h	Mohammed El Ouafi <i>One time pad Deffi-helman Keys exchang</i>
16h15	Hassan Aghdaoui <i>Estimating a fractional derivative by machine learning approaches</i>
16h30	Mohamed ARRAI <i>Fast superconvergent solvers for weakly singular Hammerstein equations</i>
16h45	HAMZA BOUDA <i>Numerical solution of eigenvalue problems for a compact integral operator with Green's kernels</i>
17h	Abdelmajid El BOUAYADI <i>An efficient modified Nyström method for second kind Fredholm integral equations in weighted spaces</i>
17h15	Ajarcif Youssef <i>Analyse numérique de l'influence de la pente en présence de la nappe phréatique sur la stabilité des talus</i>

Oral Session n° 5

ONLINE

15h - 18h

Google Meet link: <https://meet.google.com/htk-wbie-kmq>

Session 5

Chairman: F. MORADI / S. EL HABIB

15h	Abdelhalim Ben bouzid <i>A time domain decomposition coupled to a symmetric numerical method for solving a beam equation</i>
15h15	Soumaya Eljanous <i>Analyse de l'Impact des Structures sur le Sol (ISS) des Bâtiments dans la Région d'Al-Hoceima</i>
15h30	Yassin Khali <i>Crank–Nicolson approximation with a fourth-order compact finite difference for Euler–Bernoulli Beam Equation with a Simply Supported Boundary Conditions</i>
15h45	Karim Dahmani <i>On the existence of solutions for semilinear elliptic system involving the (p,q)-Laplacian on the Sierpinski Gasket on \mathbb{R}^N</i>
16h	Mustapha Bassour <i>Solving polynomial eigenvalue problems with Hamiltonian matrix structure</i>
16h15	Mohcine El Baroudi <i>Optimal control problem with isoperimetric constraint: chemotherapy of cancer</i>
16h30	Samira ZOUHRI <i>Optimal control problem with free end-time for cancer chemotherapy</i>
16h45	Houda Moktafi <i>About L-weakly compact sets of the maximal ideal in Banach lattice</i>
17h	Houria El-Yahyaoui <i>On class of fractional system with Neumann boundary conditions</i>