



## Conference Program

Wednesday, 15 April 2026 – Mustapha Stambouli University of Mascara  
**1<sup>st</sup> NATIONAL CONFERENCE ON MATHEMATICAL GEOMETRY (1st NC-MaGe'2026)** LINK  
 FOR ONLINE SESSION:

<https://meet.google.com/nzv-sqxo-hgh>

<b>Day 1</b> <b>Wednesday, 15 April 2026</b>				
<b>08:00 - 09:00</b> <b>Welcome and Registration in Desk and Posters hang-up (Conference Hall) Registration Desk</b>				
<b>09:00 – 10:00</b> <b>Welcome Speech: Dean of the Faculty</b> <b>Official Opening: University Rector</b> <b>Welcome Speech and Program: Conference &amp; Program Chairs</b>				
Chairman/ Room	Time	Authors	Title	Type
<b>Amphi(ST)</b>	10h00-10h30	<b>Pr. Lakehal Belarbi</b>	On The Ricci Solitons and Its Applications	<b>Keynote</b>
	10h30-11h00	<b>Pr. Mohamed Belkhef</b>	The study of pseudo-symmetry in sense of R. Deszcz of certain structure	<b>Keynote</b>
	<b>Coffeebreak</b>			
<b>Pr. Mohammed Cherif Ahmed</b> <b>Pr. Beldjilali Gherici</b> <b>Dr. Zagane Abdelkader</b>	11h30-11h50	Merdji Bouchra	On Novel Classes of Metric Deformation in Riemannian Manifold.	<b>Onsite</b>
	11h50-12h10	Khadidja Mouffoki	Bi-harmonic maps with potential	<b>Onsite</b>
	<b>Lunchbreak</b>			
	14h00-14h20	MOHAMMED ELMAHDI ABBES	ON THE HARMONICITY OF IDENTITY MAPS IN ALMOST CONTACT GEOMETRY	<b>Onsite</b>

<b>RoomA</b>	14h20-14h40	Mansour Belarbi	Biharmonic maps in the 4-dimensional Thurston geometry	Onsite
	14h40-15h00	Fatiha Mahi	Invariant submanifolds of C- and S-manifolds using some special curvature tensors	Onsite
	15h00-15h20	FATIHA ZAGANE ABDERRAHIM Zagane	ON THE GEOMETRY OF HORIZONTALLY DEFORMED SASAKI METRIC ON THE COTANGENT BUNDLE	Onsite
<b>Pr.Benmeriem Khaled Pr.Segres Abdelkader Dr.Ahmed Bouchenak</b>	11h30-11h50	Frakis Abdelkader	New p-numerical radii of operators inequalities using the t-Aluthge transform	Onsite
	11h50-12h10	Yamina Ouedjedi,	Caputo time fractional non-linear reaction-diffusion equations	Onsite
	<b>Lunchbreak</b>			
	14h00-14h20	Maamar Andasmas	Parameter Effects on the Existence of Solutions in Elliptic Transmission Problems	Onsite
	14h20-14h40	Tahar KHERRAZ	Averaging Methods in Ordinary and Functional Differential Equations.	Onsite
	14h45-15h00	BENHAMOUDA Oumkeltoum	Stability Analysis of a One-Dimensional Coupled System of Wave Equations with Fourier Heat Conduction	Online
	15h00-15h15	NAIMA Boussekkine	Existence Results for a Thermistor Problem with Variable-Order Caputo Fractional Derivatives	Online
	15h15-15h30	SOUMIA BOURCHI	Bifurcation Analysis of a Tuberculosis SEIR model in Algeria	Online
	15h30-15h45	Omar DJIDEL	Existence Results for Fractional p-Laplacian Problems with Non local Terms	Online
	15h45-16h00	Yassine Ouakouak	Polynomial stability of a thermoelastic shear beam model with Lord-Shulman type	Online
	<b>RoomB</b>	16h00-16h15	Ammar MELIK	Global Well-posedness and Optimal Algebraic Decay for Semilinear Non classical Diffusion Equations with Hereditary Memory Effects
16h15-16h30		Abbes Imadeddine	Stability and robustness of perturbed non linear systems via semi-global exponential methods	Online
<b>Day2 Thursday April 16<sup>th</sup> 2026</b>				
<b>Chairman/ Room</b>	<b>Time</b>	<b>Authors</b>	<b>Title</b>	<b>Type</b>
<b>Amphi(SE)</b>	09h00-09h30	<b>Pr. Ouakkas Seddik</b>	Les applications semi-conformes et le changement triconforme des métriques.	<b>Keynote</b>
<b>Pr.MohammedCherif Ahmed</b>	09h30-09h50	Hadjer Okbani	Harmonic Vector Fields on Thurston's F4 Geometry	Onsite
	09h50-10h10	Aicha Benkartab	Some result of harmonic identity maps	Onsite
	10h10-30	BENTADJ BEL MOKHTAR	ON THE SCHWARZ SCHILD METRIC: A GEOMETRIC DERIVATION FROM THE EINSTEIN EQUATIONS	Onsite
	<b>Coffeebreak</b>			

<b>Dr.Hasni Abdelbasset Dr.Bouzir Habib Dr.Zegga kaddour</b>	11h00-11h20	Noura Sidhoumi	Homogeneous structures on four-dimensional Lorentzian Damek-Ricci spaces	Onsite
	11h20-11h40	Tadj moustafa	Python for Differential Geometry, Robotics, and Information Geometry	Onsite
	11h40-12h00	Fethi Latti	On the generalized of biharmonic maps: (p,q)-harmonic maps between Riemannian manifolds	Onsite
	<b>Lunchbreak</b>			
	14h00-14h20	Halima Boukhari.	ON RICCI SOLITONS IN THE THURSTON GEOMETRY F4	Onsite
	14h20-14h40	KORBAA Fatima Zahra	Geometry of Normed Spaces: Orthogonality and Smoothness	Onsite
	14h40-15h00	Zagane Abdelkader	On Characterization of Curves with Tzitzeica Type Indicatrices in $E^3_{-1}$	Onsite
<b>RoomA</b>	09h30-09h50	Linda Fatima Oudjedi-Damerdji	Boundedness and stability in third order on linear differential equations with bounded delay	Onsite
	09h50-10h10	Gherib Fatiha	Spectral study of Schrödinger operators with periodic potentials.	Onsite
	10h10-10h30	Mohammed Meziane	Applications of Fuglede's Theorem to Operator Normality in Hilbert Spaces	Onsite
	10h30-10h50	Bouregaa Senouci	Fonctions Convexes et les Barycentres dans des Variétés Différentielles	Onsite
	<b>Coffeekbreak</b>			
	11h00-11h15	Raghdi Mourad	Interior Approximate Controllability for a Semilinear Reaction Diffusion Equations Via Dense Range Semilinear Operators	Online
	11h15-11h30	Somia Nasri	Existence of Solutions for Multi-Point Boundary Value Problems with Conditions at Resonance	Online
	11h30-11h45	Mohammed Yassine Trigui	Blow-Up Phenomena for a Damped Logarithmic Wave Equation with Variable Exponents: Theory and Numerical Simulation	Online
	11h45-12h00	Aida Irguedi	Stability Analysis for a coupled system of Fractional differential equations with non local Boundary conditions	Online
	<b>Lunchbreak</b>			
14h00-14h15	Maghnafi Mostapha	Exact number of positive solutions of quasilinear problems	Online	
14h15-14h30	Maghnafi Houria	Asymptotic analysis of solutions of class of time-varying systems under periodic perturbations	Online	
<b>Dr.Okbani Hadjer Dr.Boukhari Halima</b>	10h00-12h00	Touhami Nassamou	A Study of Harmonic Maps in Euclidean Spaces and on Spherical Manifolds	Poster
		Bouatouche Mohammed-elamin	Weak Solutions on Compact Riemannian Manifolds	Poster
		Mohamed Nehari	EXISTENCE OF EXTREMAL SOLUTIONS FOR A CLASS OF NON LINEAR FRACTIONAL DIFFERENTIAL EQUATIONS WITH p-LAPLACIAN	Poster
		Amel Bouraada	ON EXISTENCE OF EXTREMAL SOLUTIONS FOR PERIODIC BOUNDARY VALUE PROBLEMS IN BANACH ALGEBRAS	Poster

<b>Dr.Korbaa Fatima Zohra</b>				
<b>Pr.Benhousa Kamel Dr. Zagane Mohammed Dr.Merdji Bouchra Dr.Mouffoki Khadidja</b>	09h00-12h00	Mohamed Elarbi benattia	Analytical Study of Fractional Delay Differential Equations with Atangana Baleanu Derivatives Using the Shehu Transform	<b>Poster</b>
		Yamina Hachemi	A Weighted Distance Geometry Framework for Toddler ASD Screening via Case-Based Reasoning	<b>Poster</b>
		Boufera Hadya	Geometric graph neural networks for predictive maintenance : A topology-preserving approach to RUL Estimation	<b>Poster</b>
		Cherifa Boudia	Generative AI-Guided Geometric Deep Learning for Preprocessing in Packing Optimization	<b>Poster</b>
		Argoub Kadda	Prediction of Ionic Liquid Viscosity Using AI (Machine Learning-ML) & QSPR Descriptors	<b>Poster</b>