

9TH AMNEDP LABORATORY WORKSHOP SCHEDULE

ABDELKADER KHELLADI CONFERENCE ROOM, FACULTY OF MATHEMATICS, USTHB

September 20, 2025			September 21, 2025		
08h30-09h00	Registration		08h30-09h20	Session Chair: M. S. Moulay K. Lemrabet (Plenary Lecture 3) Sharing a coin with three sides	
09h00-9h15	Opening Session		09h20-10h10	H. Khelladi (Plenary Lecture 4) <i>EDP de Burgers : L'acoustique non linéaire, analyse mathématique et discréétisation numérique : Application à l'imagerie acoustique harmonique</i>	
09h15-10h05	Session Chair: K. Lemrabet	D. E. Teniou (Plenary Lecture 1)	10:10-10h30	Coffee Break	
Gauss : Le prince des mathématiciens					
10h05-10h40	Tribute		10h30-11h20	Session Chair: R. Boudjerada A. Ainouz (Plenary Lecture 5)	
10h40-11h00	Coffee Break			<i>Poroelasticity Theory : A Brief Historical and Mathematical Overview</i>	
11h00-11:50	Session Chair: O. Zair	L. Rahmani (Plenary Lecture 2)	11h20-11h45	A. Benraouda	<i>A Regularization method and optimal control for an elastic frictional contact problem</i>
		Thin layers in structural mechanics: an asymptotic framework	11h45-12h10	Z. Sebbagh	<i>Uniform Stabilization of flexible Beam with Boundary Control</i>
11h50-12h15	A. Kacimi	<i>The Role of Baroclinic and Barotropic Instabilities in the Formation of Monsoon Tropical Depressions</i>	12h10-13h30	Lunch	
12h15-12h40	S. Azoug	<i>Numerical analysis of a semi-implicit fractional fem-scheme for a new model of fluid flow with fractional time-derivative</i>	13h30-13h55	Session Chair: T. Aliziane	
12h40-14h00	Lunch			M. Ait Yahia	<i>Un résultat général d'homogénéisation d'un problème spectral en élasticité linéarisée dans un milieu perforé</i>
14h00-14h25	Session Chair: N. Foukroun	M. Chebab	13h55-14h20	F. Skender	<i>Des approches numériques pour la résolution des équations aux dérivées partielles (EDP)</i>
		<i>A new insight in the study of quasi-linear hyperbolic equation with logarithmic nonlinearity</i>	14h20-14h45	M. Bougherara	<i>Energy decay of solutions for a wave equation with a constant weak delay and a weak internal feedback</i>
14h25-14h50	R. Boureghida	<i>Uniform Stabilization of the Cauchy–Ventcel Problem with Variable Coefficients</i>	14h45-15h05	Coffee Break	
14h50-15h15	I. Kettaf	<i>Existence results for a class of kirchhoff-type equations on the real half-line with sublinear nonlinearity</i>	15h05-15h30	Session Chair: M. Ait Yahia	
15h15-15h35	Coffee Break			S. Chentout	<i>Eigenvalue criteria for existence and nonexistence of positive solutions for α-order ($2 < \alpha < 3$) fractional differential equations on the half-line</i>
15h35-16h00	Session Chair: K. Boutarène	Z. Draham	15h30-15h55	W. Oukil	<i>When Periodicity Fails to Guarantee the Existence of Rotation</i>
	<i>A convergence result for history-dependent quasivariational inequalities</i>			Closing Remarks	
16h00-16h25	A. Krouchi	<i>The Necessity of the LDG Approach for High-Order PDEs</i>			
16h25-16h50	D. Sadali	<i>Insensitizing Control of a coupled parabolic-elliptic equations with mixed boundary conditions.</i>			