

LICMA'17 - Program

Tuesday May 16, 2017

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- 08:00-09:00 **Registration**
- 09:00-10:00 **Opening Session**
- 10:00-10:30 **Welcome Reception**

Moderator: SECK Diaraf

- 10:30-11:10 **SABOURIN Hervé**, The Orbit Method in Lie theory: between Groups Representation and Poisson Geometry.
- 11:10-11:50 **DABO Sophie**, Nonparametric regression models for spatial data.
- 11:50-12:30 **DAMIANOU Pantelis**, Transverse Poisson structures and Kleinian singularities.

Session 1 Graph Theory and Applications Moderator SHARIEFUDDIN Pirzada		Session 2 Partial Differential Equations and Numerical Analysis Moderator PAQUET Luc		Session 3 Algebra and Algorithmic Moderator JOHNSON Peter	
12:30 -	NASSER Sara Colorings and Orientations.	DWEIK Samer Regularity and lack of regularity in optimal flow problems.		ASHRAF Wajih Semigroup Identities.	
12:45 -	MORTADA Maidoun The b-coloring of Regular Graphs.	ABBAS Fatima Modeling and numerical simulation of the blood flow in stenosed artery.		BENTERKI Djamel Alternative performante d'une approche de points intérieurs pour la programmation semi- définie.	
13:00 -	DAAMOUCHE Moussa On the Seymour's second neighborhood conjecture.	DIB Séréna Méthodes des éléments finis du problème de Darcy couplé avec l'équation de la chaleur.		HACHIMI Hanaa Fire fly algorithm and applications.	
13:15 -	BENRABIA Imène Bi ² nomial coefficient analogues related to Fibonacci sequence.	ARICHE Sadjia Regularity of solutions of elliptic problems with a curved fracture.		MBARKI Wajih Stability analysis of decoupled time-stepping schemes for the Purkinje/myocardium coupled problem in cardiology.	

- 13:30-15:00 **Lunch**

Moderator: CARRON Gilles

- 15:00-15:40 **GAUTHIER Jean-Paul**, Anthropomorphic Image Reconstruction and Pattern Recognition via the Subriemannian model of Jean Petitot.
- 15:40-16:05 **PERSSON-SUNDQVIST Mikael**, On nodal domains in the square.
- 16:05-16:30 **ABDALLAH Nancy**, Bruhat order on twisted identities and KLV polynomials.
- 16:30-17:00 **Coffee Break + Posters Session**

Moderator: GAUTHIER Jean-Paul

- 17:00-17:25 **MEZŐ István**, A class of generalized derangement numbers.
- 17:25-17:50 **HAJARIAN Masoud**, Recent Developments in Iterative Methods to Solve Matrix Equations Over Special Matrices.
- 17:50 **Dinner**

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06:30- Excursion: Departure

A speech in the memory of our colleague Dr. EL-SOUFI Ahmad: FARDOUN Ali

09:00-09:40 **BESSON Gerard**, Positive Scalar Curvature and 3-Manifolds.

09:40-10:20 **CARRON Gilles**, Geometry of manifold with Ricci curvature in the Kato class.

10:20-11:00 **MOLINET Luc**, A Liouville property for the Camassa-Holm equation and applications.

11:00-11:10 Coffee Break

Moderator: **SZALAY Laszlo**

11:10-11:50 **ANDERSEN Lars**, Proper edge-colourings with restrictions on 2-coloured cycles.

11:50-12:15 **BELBACHIR Hacène**, Hyperdeterminantal representation of Fibonacci sequences.

	Session 1 Partial Differential Equations and Numerical Analysis	Session 2 Financial Mathematics and Statistics	Session 3 Control Theory
	Moderator PUEL Marjolaine	Moderator DABO Sophie	Moderator LIU Zhuangyi
12:15 - 12:30	BOUDJERADA Rachida Existence results for the eikonal equation and application to dislocations dynamics.	BOUSSAHA Nadia Periodic Multivariate Autoregressive Stochastic Volatility Model: Application to Exchange Rate Modeling.	BOUDJENAH Lotfi Optimal control of nonlinear system with delay.
12:30 - 12:45	RAMOUL Hichem Identification of two coefficients for a nonlinear parabolic system using a shifted Carleman estimate.	NDIAYE Mamadou Nonparametric prediction of spatial dependent functional data.	SAMMOURY Mohammad Ali Indirect Stability of the wave equation with a dynamic boundary control.
12:45 - 13:00	ARICHE Sadjja Regularity of solutions of elliptic problems with a curved fracture.	LIMAM-BELARBI Faiza Optimal consumption and investment for a particular utility function.	MAHOUI Sihem Virtual control to parabolic problems with pointwise source and incomplete data.

13:00-14:00 Lunch

14:00 Touristic Tour

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Thursday May 18, 2017

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07:30-08:30 Breakfast

Moderator: **BELBACHIR Hacène**

08:30-09:10 **BOUC Serge**, Representations of finite sets and correspondences.

09:10-09:35 **PUEL Marjolaine**, Anomalous diffusion for kinetic equations.

09:35-10:00 **SHARIEFUDDIN Pirzada**, Pairwise comparisons, tournaments and oriented graphs.

10:00-10:45 Coffee Break + **Posters Session**

Moderator: **ANDERSEN Lars**

10:45-11:25 **JOHNSON Peter**, Secure-Domination in Graphs: Open Questions and Recent Advances.

11:25-11:50 **SZALAY László**, Weighted sums of the terms of Fibonacci sequence.

11:50-12:15 **PAQUET Luc**, Control of the Radiative Heating of a Semi-Transparent Body in view of its Deformation.

12:15-14:00 Lunch

	Session 1 Partial Differential Equations and Numerical Analysis Moderator DAMIANOU Pantelis	Session 2 Control Theory Moderator MOLINET Luc	Session 3 Differential Geometry and Applications Moderator HAMMAMI Mohamad Ali	Session 4 Thesis defense
14:00 - 14:15	BISHOP Sheila On Mild Solutions of Non- classical Impulsive Ordinary Differential Inclusion.	GHADER Mouhammad Stability results of a distributed problem involving Bresse system with history and/or Cattaneo law under fully Dirichlet or mixed boundary condition.	CHIKH SALAH Abdelouahab Four-dimensional locally strongly convex homogeneous affine hypersurfaces.	ABI AAD Maria Paths and cycles in tournaments.
14:15 - 14:30	ZABAD Sahar PDE methods to weakly coupled systems of Hamilton-Jacobi equations.	AKIL Mohammad Stabilization of multidimensional wave equation with locally boundary fractional dissipation law.	NASSER Rajai Topological Structures on DMC Spaces.	
14:30 - 14:45	BASSAM Maya Polynomial stabilisation of weakly damped Rayleigh equation.	NABOLSI Hawraa Optimal Control of Evolution Equations and Applications.	SALIBA Lara Regularity and uniqueness for extrinsic biharmonic maps.	

15:00-15:30 Coffee Break

Moderator: **BESSON Gerard**

15:30-16:10 **MOUADDIB El Mustapha**, Gaussian Mixture and visual servoing.

16:10-16:35 **VESPRI Vincenzo**, Pointwise estimates for a class of degenerate/singular parabolic equations.

16:35-17:00 **HAMMAMI Mohamad Ali**, On the uniform asymptotic stability of time-varying dynamical systems.

17:00-17:25 **SADAKA Guilnard**, Admissible pairs of a complex simple Lie algebra and finite W-algebras.

20:00 Gala Dinner

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Friday May 19, 2017

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07:30-08:30 Breakfast

Moderator: **MOUADDIB El Mustapha**

08:30-09:10 **EFTEKHARY Eaman**, Heegaard Floer theory and topology of 3-manifolds.

09:10-09:50 **SECK Diaraf**, Optimal Shapes with local and non local operators.

09:50-10:15 **BOUROUBI Sadek**, An overview of steganography.

10:15-10:30 Coffee Break

Moderator: **EFTEKHARY Eaman**

10:30-11:10 **LIU Zhuangyi**, Stability and Regularity of Solution to the Timoshenko Beam Equation with Local Kelvin-Voigt Damping.

11:10-11:35 **EL MIR Chady**, On some systolic-type inequalities on surfaces.

11:35-12:00 **VALETTE Bernard**, The Spectral Problem of Earth's Free Oscillations.

12:00-12:15 Closing

12:15-13:00 Free time

13:00-14:30 Lunch