

Lebanese International Conference on Mathematics and Applications

LICMA'19 - Program

Monday April 15, 2019

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08:00-09:00 Registration

09:00-10:00 Opening Session

10:00-10:30 Welcome Reception

	Session 1 Moderator FARDOUN Ali	Session 2 Moderator ELIANE Joseph
10:30-11:15	RATTO Andrea Biharmonic and r-harmonic maps	RAHMAN Shahid Necessary Events and Obligatory Actions Ibn Hazm and The Development of a Parallelism
11:15-12:00	MAZET Laurent Prescribing the tangent space of a minimal plane	FARES Nicolas Diophante et l'Algèbre
12:00-12:45	MAHMOUDI Fethi The higher-dimensional Bahri-Coron problem	ISSA Ali Set theory and the theory of propositions

12:45-14:30 Lunch Break

	Session 1 Moderator CAVATERRA Cecilia	Session 2 Moderator OUYA Samuel
14:30-15:15	NELLI Barbara Hyper surfaces with constant higher mean curvature	DEHMAN Belhassen Exact controllability for the wave equation with non-smooth metric
15:15-16:00	COURTOIS Gilles Entropy of manifolds and their fundamental groups	SHARIEFUDDIN Pirzada On conjectures for the eigenvalues of the Laplacian matrix of graphs

16:00-16:15 Coffee Break

	Session 1 Moderator HAMMAMI Mohamad Ali	Session 2 Moderator NELLI Barbara	Session 3 Moderator MAZET Laurent
16:15-16:40	DWEIK Samer Topological and geometrical properties of the optimal export set in the Monge-Kantorovich problem	GHANDOUR Elsa Ricci solutions in dimension 3	KADDOURA Issam On The Asymptotic Average Of The Chebyshev Polynomials
16:40-17:05	T. KHALIL Nathalie On The Development Of A Bi-level Optimal Control Sweeping Process Problem	AL-ISSA Shorouk Asymptotic Stability of Monotonic Solutions For Quadratic Integral Equation of Fractional Orders	CHIKH Nouredine Polynômes chromatiques des graphes à seuil
17:05-17:30	Tonia-Maria ALLAM An optimal control problem with non convex constraints applied to	AL-SALTI Nasser Modelling the role of houseflies in Cholera transmission	CHEHADE Haissam Power GCDQ and LCMQ matrices defined on GCD-CLOSED sets over

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laser melting processes

Euclidean domains

18:00 **Dinner**

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Mardi 16 avril 2019 : Journée Francophone

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7:30-... Départ à campus Wardanieh-Université IUL

9:00-10:00 Ouverture de la journée Francophone

10:00-10:30 Cocktail

	Session 1 Modérateur ROMON Pascal	Session 2 Modérateur BELBACHIR Hacène
10:30-11:15	NOUR Karim Preuves de terminaison en lambda-calcul	AMMARI Kais Stabilité d'un système abstrait de type onde avec retard et dissipation de type Kelvin-Voigt
11:15-12:00	KRZYSZTOF Kurdyka Fonctions continues rationnelles et fonctions régulières	BOUROUBI Sadek Integer Partitions and Diophantine m-tuple
12:00-12:15	Pause Café	Pause Café
12:15-13:00	GUILLOPE Colette Well-posedness for a higher-order, nonlinear, dispersive equation: a new approach	GERVAIS Mendy Alternating paths et spanning trees in edge-colored multigraphs

13:00-14:30 Dejeuner

	Session 1 Modérateur BCHATNIA Ahmed	Session 2 Modérateur AMMARI Kais
14:30-15:15	CHERFILS Laurence Numerical schemes for the viscous Cahn-Hilliard-Navier-Stokes equations with dynamic boundary conditions	HAMMAMI Mohamad Ali Sur la stabilisation de certains systèmes non linéaires à travers un observateur
15:15-15:40	AL SAYED ALI Mohamad Acceleration of implicit schemes for large systems of differential-algebraic equations	GAOUAR Soumia Asymptotic stability for the Lamé system with fractional boundary damping.
15:40-15:55	Pause Café	Pause Café
15:55-16:20	GHAZI Hala A mathematical model describing the liquid-vapor phase transition including metastable states	MOKHTARI Zouhir A new approach of the volterra integral equation with weakly singular kernel using product integration method
16:20-16:45	MROUE Fatima A Positive Cell Vertex Godunov Scheme For a Beeler-Reuter Based Model of electrocardiology	KOUJA Rima A Riemannian Newton method for the symmetric tensor decomposition problem

18:30- Dinner Gala

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Wednesday April 17, 2019

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06:00- Departure to Bekaa-Campus of LIU

08:30-09:30 Opening Session

9:30-10:00 Welcome Reception and Cocktail

Session 1 Moderator GUILLOPE Colette		Session 2 Moderator DEHMAN Belhassen
10:00-10:45	ROMON Pascal How can we compute the curvatures of a discrete surface?	BELBACHIR Hacène Extended of some discrete classical inequalities
10:45 -11:30	SEQUEIRA Adelia Towards accurate blood flow simulations using personalized clinical data	CAVATERRA Cecilia Long-time Dynamics and Optimal Control of a Diffuse Interface Model for Tumor Growth

11:30-11.45 Coffee Break

	Session 1 Moderator CHERFILS Laurence	Session 2 Moderator GRASSELLI Maurizio	Session 3 Moderator MIRANVILLE Alain
11:45-12:10	MECHERI Kheira On the nonparametric conditional hazard function in the single functional index model in the α -mixing framework under censored data	ABDEL Kader Issam Path Partition of Directed Graphs	KASSEM Shiraz Local indirect stabilization of N-d system of two coupled wave equations under geometric conditions
12:10-12:35	LOBO PEREIRA Fernando Control Architecture for the Sustainable Management of Resources	ALMNINY Darine Subdivisions of two blocks cycles in digraphs with large chromatic number	NASSER Rayan Stabilization of the wave equations with localized Kelvin-Voigt type damping under optimal geometric condition
12:35-13:00	ELMOJTABA Ibrahim Mathematical Analysis of a Time Delay Visceral Leishmaniasis Model	AKLI Meriem The Graph similarity using MCSG	HAYEK Alaa Stabilization of a Generalized Telegraph Equation on Graphs

13:00-14:30 Lunch Break

14:00-17:00 Touristic Tour to Baalback

17:00-19:00 Dinner

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Thursday April 17, 2019

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8:00-9:00 Breakfast

09:00-09:45 RAHMAN Shahid, Propositions and Algebraic Objects Two Perspectives in the Foundations of Mathematics and Logic

	Session 1 Moderator JERIBI Aref	Session 2 Moderator KRZYSZTOF Kurdyka
09:45 -10:30	MIRANVILLE Alain Cahn-Hilliard models with logarithmic nonlinear terms	KITTANEH Fuad inequalities for certain powers of positive definite matrices
10:30-10:45	GRASELLI Maurizio The nonlocal Cahn-Hilliard equation: an overview and some recent results	SADKANE Miloud Computing the distance to continuous-time instability of matrix polynomials
10:45 -11:15	Coffee Break	Coffee Break
11:15 -12:00	Posters SESSIONS	Posters SESSIONS
12:00-12:45	GUESMIA Aissa Well-posedness and asymptotic behavior of a wave equation with distributed delay and Neumann boundary conditions.	SIFI Mohamed Discrete harmonic functions in Lipschitz domains

Posters Sessions

KHARFOUCHI Soumia	Using ANNs and statistical models for image segmentation
AOUATI Mohamed khelil	Mathematical chemistry
JINANI Rawia	On some applications of algebraic hyperstructures
CHERGUI Djemila	Existence and uniqueness for multi-term sequential fractional integro-differential equations with non-local boundary conditions
AOUAFI Rabiaa	The existence and uniqueness of solutions for a multi-term nonlinear sequential fractional integro-differential equations with non-local boundary conditions
NASEREDDINE Noura	On the Cahn-Hillard equation with source term
NASSABEIN Anass	On the Exponentiated Hypoexponential Distribution
ZIREM Djamila	A batch arrival unreliable retail queue with two phases of service

12:45-13:00 Closing Ceremony

13:00-14:00 Lunch