



الجامعة اللبنانية
UNIVERSITÉ LIBANAISE



Lebanese Society for the
L S M S
Mathematical Sciences
الجمعية اللبنانية لعلوم الرياضيات

Friday, June 14, 2019

08:00 – 9:00 *Registration and Breakfast*

09:00 – 09:20 *Opening Ceremony*

Rachel Hobeika, President, LSMS
Bassam Badran, Dean, FS, Lebanese University
Fawaz El Omar, Dean, DSST, Lebanese University

09:30 – 10:20 *Plenary Session*

Teemu Pennanen, King's College London, UK
Economic valuation of defined benefit pension liabilities

10:20 – 11:20 *Session One*

10:20 – 10:50 **Georges Habib**, Lebanese University
Robbin Laplacian on functions

10:50 – 11:20 **Rabih Assaf**, Holy Spirit University of Kaslik
Algebraic topology: a new modern view

11:20- 11:40 *Coffee Break*

11:40 - 12:30 *Plenary Session*

Wissam Raji, American University of Beirut
Non-Vanishing of L-functions of Hilbert modular forms in the critical strip

12:30 – 13:30 *Session Two*

12:30 – 12:50 **Ghada Abi Younes**, Lebanese American University
Mathematical modeling of atherosclerosis

12:50 – 13:10 **Samara Chamoun**, Lebanese American University
New regularity result of the bilateral minimal time function for non linear control system

13:10 – 13:30 **Sara Slayi**, Beirut Arab University
Unsteady flow of a microstretch fluid through state space approach with slip conditions

13:30 - 14:30 *Lunch*

14:30 – *Plenary Session*

15:20 **Michel Théra**, University of Limoges, France



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15:20 – 16:20 *Session Three*

- 15:20 – 15:50 Jocelyne Ishak**, Kent University, UK
New case of rigidity in stable homotopy theory
- 15:50 – 16:20 Rafael Andrist**, American University of Beirut
Infinite transitivity of three flows

16:20 – 16:30 *Coffee Break*

16:30 – 18:20 *Session Four*

- 16:30 – 17:00 Clara Al Kosseifi**, University of Picardie Jules Verne and Lebanese University
Bi-grid finite elements schemes for phase-field models
- 17:00 – 17:30 Lamis Sabbagh**, Lebanese University
On the motion of rigid bodies in viscoelastic fluids
- 17:30 – 18:00 Marwa Nasrallah**, Lebanese University
Sum of the negative eigenvalues for the semi-classical Robin Laplacian
- 18:00 – 18:20 Hany Maalouf**, Lebanese University
Non-Gaussianity from measure theory

Saturday, June 15, 2019

08:00 - 09:00 *Breakfast*

09:00 – 9:50 *Plenary Session*

- Youssef Raffoul**, University of Dayton, Ohio, USA
Introduction to time scales with applications to dynamical systems

9:50 – 10:50 *Session One*

- 9:50 – 10:10 Cynthia Chedrawi**, University of Balamand
Computing geodesics on discrete surfaces
- 10:10 – 10:30 Mohamad Haidar**, Beirut Arab University
Existence of a regular solution for 1D Green-Naghdi equations with surface tension at a large time instant
- 10:30 – 10:50 Judy Said**, University of Balamand
The chaos game and the Sierpinski gasket: the road from randomness to uniformity

10:50 – 11:10 *Coffee Break*

11:10 – 13:10 *Session Two*

- 11:10 – 11:40 Richard Aoun**, American University of Beirut
Random matrix products with no irreducibility assumption
- 11:40 – 12:10 Roy Barbara**, Lebanese University
Autour de Fermat ($n=4$)
- 12:10 – 12:40 Nohra Hage**, Lebanese University
Plactic monoids: Young tableaux and string data structures
- 12:40 – 13:10 Jana Al Khayal**, Lebanese University
Existence result for a degenerate cross-diffusion system

13:30 *Lunch*