



## Program

### LSMS Sixth Annual Conference 20-21 May 2016

#### Friday 20 May 2016

- 8 :30 – 9 :00**      **Registration**
- 9 :00 – 9 :30**      **Opening**
- 9 :30 – 10 :15**    **Teemu Pennanen**, King's College, London, UK  
*Convex Duality in Stochastic Control and Mathematical Finance*
- 10 :20 – 10 :35**    *Coffee Break*
- 10 :35 – 11 :20**    **Georges Habib**, Lebanese University  
*Eigenvalue Estimate for the Basic Laplacian on Manifolds with Foliated Boundary*
- 11 :25 – 12 :05**    **Nader El Khatib**, Lebanese American University, Byblos  
*Towards the Modelling of Atherosclerosis*
- 12 :05 -12 :25**    **Fatima Abbas**, Lebanese University and Le Havre University, France  
*Mathematical Modeling and Numerical Simulation of the Blood Flow in Arteries with Stenosis*
- 12 :25 – 14 :00**    *Lunch Break*
- 14 :00 – 14 :40**    **Giuseppe Della Sala**, American University of Beirut  
*Analytic Transformations of Smooth Submanifolds*
- 14 :40 – 15 :00**    **Maria Abi Aad**, Lebanese University and University of Paris-Sud, France  
*Paths and Cycles in Tournaments*
- 15 :00 – 15 :15**    *Coffee Break*
- 15 :15 – 15 :35**    **Maya Attieh**, University of Balamand  
*Effect of Doubling the Bet in Blackjack Using Stochastic Processes*
- 15 :35 – 15 :55**    **Mouhammad Ghader**, Lebanese University  
*Stability Results of a Distributed Problem Involving Bresse System with History and/or Cattaneo Law Under Fully Dirichlet or Mixed Boundary Conditions*

## Saturday 21 May 2016

- 9 :00 – 9 :45**      **Kaïs Ammari**, University of Monastir, Tunisia  
*Dispersive Effects and High Frequency Behavior for the Schrödinger Equation in some Infinite Graphs*
- 9 :50 – 10 :35**      **Hassan Abbas**, Lebanese University  
*Arithmetic-Geometric and Heinz Means and Related Inequalities for Operators*
- 10 :40 – 10 :55**      *Coffee Break*
- 10 :55 – 11 :35**      **Hassan Saoud**, Lebanese University  
*On the Stability of Nonsmooth Dynamics*
- 11 :35 – 11 :55**      **Hagop Karakazian**, American University of Beirut  
*Local Existence and Uniqueness of the Solution to the 2D Hasegawa-Mima Equation in Periodic Sobolev Spaces*
- 11 :55 – 12 :15**      **Clara Al Kousseifi**, Lebanese University and University of Picardie Jules Verne, France  
*Stabilité et Résolution de Schémas d'approximation des Equations d'Allen-Cahn et de Cahn-Hilliard*
- 12 :15 – 13 :45**      *Lunch Break*
- 13 :45 – 14 :25**      **Mohamed Kobeissi**, Lebanese University  
*On Riemann Zeta Function and Césaro Theorem*
- 14 :25 – 14 :45**      **Mohamad Akil**, Lebanese University and University of Limoges  
*Indirect Stabilization of Coupled Wave Equations with Boundary Fractional Damping*
- 14 :45 – 15 :00**      *Coffee Break*
- 15 :00 – 15 :20**      **Sultan Al Kontar**, Beirut Arab University  
*About the  $D$ -bar Reconstruction Method for Complex Conductivities: Error Estimates*
- 15 :20 – 15 :40**      **Houssein Nasser El Dine**, Lebanese University  
*Analysis and FV Scheme of Darcy-Brinkman's Velocities of Two Incompressible Phase Flows in Porous Media*
- 15 :40 – 16 :00**      **Closing and Discussion**