



**LSMS Eleventh Annual Conference
June 7-8, 2024**

Friday, June 7, 2024:

8:30 – 9:00	Registration / Breakfast
9:00 – 9:15	Opening
9:15 - 10:05	Plenary Session
	Youssef Raffoul , University of Dayton, OH, USA <i>Qualitative Theory of Functional Delay Differential Equations</i>
10:05 - 10:35	Rodrigue Kazzi , KU Leuven, Belgium <i>Decentralized Risk-Sharing under Model Uncertainty</i>
10:35 - 11:05	Marc Tarazi , Notre Dame University <i>Actuarial Methods in Non-Life Reinsurance Treaty Pricing</i>
11:05 - 11:20	Coffee Break
11:20 - 12:10	Plenary Session
	Faouzi Triki , Grenoble Alpes University, France <i>An Improved Spectral Inequality for Sums of Eigenfunctions</i>
12:10 - 12:40	Samer Israwi , Lebanese University <i>A New Extended Kdv Equation: Theoretical Study, Numerical Validation and Tsunami Application</i>
12:40 - 1:10	Sophie Moufawad , American University of Beirut <i>Direct and Inverse Problem for Gas Diffusion in Polar Firn</i>
1:10 - 2:45	Lunch Break
2:45 - 3:35	Plenary Session
	Wissam Raji , American University of Beirut <i>Zeroes of Period Polynomials of Cusp Forms</i>
3:35 – 4:05	Jihad Fahs , American University of Beirut <i>Stable Distributions as Uncertainty Models: A Generalization of The Gaussian Rationale</i>
4:05 - 4:25	Holem Saliba , Notre Dame University <i>About One Generalization of Gauss Sum</i>
4:25 - 4:40	Coffee Break
4:40 – 4:55	Fatima Fneish , American University of Beirut <i>On the Existence of Hybrid Lenses Performing Specified Refraction Tasks: A Mathematical Approach</i>
4:55 – 5:10	Youssef Khalifeh , Lebanese University <i>Mechanical Conservation Laws for 2d Boussinesq Systems</i>
5:10 – 5:25	Hamza Zougheib , Beirut Arab University

5:25 – 5:40	<i>Stabilization of Truncated Timoshenko System under Green-Naghdi Thermal Law</i> Rana Kahil , Beirut Arab University <i>The Representations of The Braid Group Constructed by C.M. Egea and E. Galina</i>
5:40 – 5:55	Wissam El Hajj , University Claude Bernard Lyon 1, France <i>Regimes And Mechanisms of Inflammation Described by Reaction-Diffusion Systems</i>
5:55 – 6:10	Marwa Berjawi , Beirut Arab University <i>Well-posedness of The Green-Naghdi model for an uneven bottom in presence of the Coriolis effect and surface tension</i>

Saturday, June 8, 2024:

8:30 – 9:00	Breakfast
9:00 - 9:50	Plenary Session
	Badih Ghazi , Google, USA <i>Differential Privacy in Advertising: Analytics and Modeling</i>
9:50 – 10:20	Chadi Nour , Lebanese American University <i>Pontryagin-Type Maximum Principle for Controlled Sweeping Processes</i>
10:20 - 10:50	Maher Jneid , Beirut Arab University <i>Partial Controllability of Fractional Semilinear Control Systems</i>
10:50 – 11:10	Ghada Abi Younes , Lebanese American University <i>Mathematical Modeling of the Interaction of Inflammation and Chemotaxis in Atherosclerosis: Formation of Fatty Streaks</i>
11:10 - 11:30	Hrair Danageuzian , Notre Dame University <i>Operational Risk Modeling Under the Loss Distribution Approach: Estimation of Operational Risk Capital by Business Line Vs. Risk Category</i>
11:30 - 11:50	Coffee Break
11:50 – 12:20	Mohammad Haidar , Lebanese International University <i>Well-Posedness and Exponential Stability of a Thermo-Elastic Diffusion Shear Beam Model</i>
12:20 - 12:50	Mohammad Chreif , Lebanese International University <i>On the Irreducibility of Local Representations of the Braid Group B_n</i>
12:50 - 1:20	Majdi Awad , Beirut Arab University <i>Convergence of Sensitivity Analysis Methods for Evaluating the Individual and the Combined Influences of Model Inputs</i>
1:20 - 1:35	Natalia Bou Sakr , Saint Joseph University <i>Uncertain Impact of Prevention on the Classical Risk Model</i>