



IN ORDER TO
UNDERSTAND
THE UNIVERSE
YOU MUST
KNOW THE
LANGUAGE
IN WHICH
IT IS WRITTEN
AND THAT
LANGUAGE IS
MATHEMATICS

Seventh Annual Conference

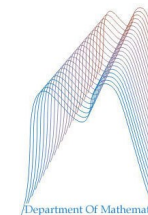
The Lebanese Society for the Mathematical Sciences (LSMS)

Faculty of Sciences, University of Balamand

20 - 21 April 2017



المجلس الوطني للبحوث العلمية
National Council for Scientific Research



Department Of Mathematics

THURSDAY, APRIL 20, 2017

8:20	9:20	Registration
		Session 1
9:30	10:00	Opening Ceremony: Dr. Hanna Greige , University of Balamand Dr. Rachel Hobeika Kallas , LSMS Dr. Michel Najjar , Vice-President, University of Balamand
10:10	11:00	Prof. Azmy S. Ackleh , University of Louisiana at Lafayette, USA <i>Population models with discrete or continuous trait spaces: Competitive exclusion or coexistence?</i>
11:05	11:30	Dr. Brändle de Motta Jorge César , CORIA, France <i>Numerical approaches of spray simulation. Application to counter-flow spray pulsated flames</i>
11:30	11:40	Coffee Break
11:40	12:05	Dr. Hakima Bouhadjera , Badji Mokhtar-Annaba University <i>Common fixed point theorems under a quite recent concept</i>
12:05	12:20	Miss Farah Kanbar , American University of Beirut <i>Well-balanced central scheme for the two-dimensional shallow water equations with wet and dry states</i>
12:25	12:50	Dr. Roger Nakad , Notre Dame University NDU-Louaize <i>Surfaces of the complex projective plane via Kählerian Killing spinors</i>
12:50	13:05	Miss Najat Kmeid , University of Balamand <i>Optimization of cash management flow through stochastic processes</i>
13:05	14:05	Lunch
		Session 2
14:15	15:05	Prof. Marc Massot , École Polytechnique, France <i>Adaptive time-space algorithms for the simulations of multi-scale reaction waves</i>
15:10	15:35	Dr. Kamal Khuri-Makdisi , American University of Beirut <i>Bounding Brill-Noether loci over finite fields</i>
15:35	15:50	Miss Nadine Bejjani , Saint Joseph University <i>The bending-gradient theory for thick plates: existence and uniqueness of solution</i>
15:50	16:05	Coffee Break

16:05	16:30	Prof. K. Ilhan Ikeda , Yeditepe University <i>On a group closely related with the automorphic Langlands group (part II)</i>
16:35	17:00	Dr. Ghina El Mir , University of Balamand <i>Clifford algebra for viewpoint change modeling</i>
17:00	17:15	Miss Séreña Dib , Université Saint-Joseph <i>Finite element methods for Darcy's problem coupled with the heat equation</i>

FRIDAY, APRIL 21, 2017

		Session 1
9:30	10:20	Prof. Gilles R. Ducharme , Université de Montpellier, France <i>Goodness-of-fit of statistical models: the smooth test paradigm</i>
10:25	10:50	Dr. Fida El Chami , Lebanese University <i>Rigidity results for spin manifolds with foliated boundary</i>
10:50	11:05	Mr. Mohammad Chreif , Beirut Arab University <i>On the faithfulness of linear representations of braid groups</i>
11:05	11:20	Coffee Break
11:20	11:45	Dr. Ihab Al Alam , Lebanese University <i>Test paradigm</i>
11:45	12:00	Miss Clara Alkousseifi , Lebanese University and University of Picardie Jules Verne, France <i>Méthode bigrille appliquée aux équations d'Allen-Cahn et de Cahn-Hilliard en éléments finis</i>
12:05	12:30	Prof. Ahmad Fino , Lebanese University <i>A blow-up result for a nonlinear damped wave equation in exterior domain: The critical case</i>
12:30	12:45	Mr Sultan Al Kontar , Beirut Arab University <i>About the D-Bar reconstruction method for complex conductivity</i>
12:45	13:10	Dr Anis Hoayek , Lebanese University and University of Montpellier <i>Distribution - free inference in record series</i>
13:00	14:15	Lunch