



BIRZEIT UNIVERSITY

Department of Mathematics

Birzeit 2018 Conference

"Applied Mathematics and Random Structures"

Location: Faculty of Science, Room S240

Program of Day 1 (Monday - August 27, 2018)

Chair: Abdelrahim Mousa

Speaker	Time	Title
	7:30	Transportation from Hotel to University
	8:00 – 9:00 8:30 – 9:00	Registration Coffee Break
	9:00 – 9:30	Opening: Vice President for Academic Affairs Professor Henry Giacaman
Nicolas Pouyanne UVSQ - Paris Saclay University	9:30 – 11:00	Enumeration of planar graphs
	11:00 – 11:30	Coffee Break
Mohammad Adm Palestine Polytechnic University	11:30 – 12:30	On the zero forcing game and maximum nullity of matrices whose graph is acyclic or unicyclic with q negative eigenvalues
Maryam Fasfous Palestine Polytechnic University	12:30 – 13:00	Binary operations on matrices of graphs
	13:00 – 14:30	Lunch
Abdulhakeem Eideh Al-Quds University	14:30 – 15:30	Analysis of survey data under informative sampling
Frédérique Bassino Paris 13 University	15:30 – 16:30	Random generation of graphs and trees
	16:30 – 17:00	Coffee Break
Sondos Khalil Birzeit University	17:00 – 17:30	Optimal strategies for an economic agent in a continuous time model within social security system
Farida Ghazawneh Birzeit University	17:30 – 18:00	Dynamics of piecewise isometries
	18:00	Transportation from University to Hotel



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Program of Day 2 (Tuesday - August 28, 2018)

Chair: Brigitte Chauvin

Speaker	Time	Title
	7:30	Transportation from Hotel to University
	8:00 – 9:00 8:30 – 9:00	Registration Coffee Break
Abdelrahim Mousa Birzeit University	9:00 – 10:00	Geometric approaches and bifurcations in the dichotomous decision model
A. Talahmeh Birzeit University	10:00 – 11:00	Blow up in a nonlinear damped wave equation with variable exponents of nonlinearity
	11:00 – 11:30	Coffee Break
Hanene Mohamed Nanterre University	11:30 – 13:00	Mean field analysis for inhomogeneous bike sharing systems
	13:00 – 14:30	Lunch
Thierry Monteil Paris 13 University	14:30 – 15:30	Introduction to the computer algebra system SAGE
Mai Mismar Al-Quds Open University	15:30 – 16:00	Finding the optimal solution of the assignment problems using probabilities and without any iteration
	16:00 – 16:30	Coffee Break
Pierre Nicodème Paris 13 University	16:30 – 18:00	Height of discrete bridges and excursions
	18:00	Conference Dinner

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Program of Day 3 (Wednesday - August 29, 2018)

Chair: Pierre Nicodème

Speaker	Time	Title
	7:30	Transportation from Hotel to University
	8:00 – 9:00 8:30 – 9:00	Registration Coffee Break
Frédéric Paccaut University of Picardy	9:00 – 10:30	An introduction to dynamical systems: basic definitions and examples
Khalid Salah Al-Quds University	10:30 – 11:00	An approximation of a longitudinal stochastic model
	11:00 – 11:30	Coffee Break
Brigitte Chauvin UVSQ - Paris Saclay University	11:30 – 13:00	Binary Search Trees
	13:00 – 14:30	Lunch
Asma Shareef Birzeit University	14:30 – 15:00	Neimark Sacker Bifurcation of higher order rational difference equations
Batool Raddad Birzeit University	15:00 – 15:30	Dynamics and bifurcation of second and third order rational difference equations
Walaa Yassen Birzeit University	15:30 – 16:00	Using symmetries to solve some difference equations
	16:00 – 16:30	Coffee Break
Wisam Samarah Al-Quds Open University	16:30 – 17:00	A mathematical solutions to an unstable economic environment: a case study of the Palestinian economy
Sima Abualrub Birzeit University	17:00 – 17:30	Determinants of student's success at Birzeit University
Rasha Shadeed Birzeit University	17:30 – 18:00	Multicollinearity
	18:00	Transportation from University to Hotel

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Program of Day 4 (Thursday - August 30, 2018)

Chair: Frédérique Bassino

Speaker	Time	Title
	7:30	Transportation from Hotel to University
	8:00 – 9:00 8:30 – 9:00	Registration Coffee Break
Elie de Panafieu Nokia Bell Labs, Saclay	9:00 – 10:30	Analytic combinatorics of graphs
Walaa Doufesh Palestine Polytechnic University	10:30 – 11:00	Ideals on Skew Lattices
	11:00 – 11:30	Coffee Break
Lucas Gerin Ecole Polytechnique - Palaiseau	11:30 – 13:00	Uniform random permutations
	13:00 – 14:30	Lunch
Hind Sweis Birzeit University	14:30 – 15:00	Solving local fractional Fredholm integral equation of the second kind with separable kernel
Feda Shoman Birzeit University	15:00 – 15:30	A discrete game theoretical Model
	15:30 – 16:00	Coffee Break
	16:00 – 16:30	Closing and Certificates