



ACA 2017

23rd Conference on Applications of Computer Algebra 17-21 July , 2017, Jerusalem

Commemorating the Heritage of Jonathan Michael Borwein

Monday 17 July

10:00 - 12:00	Registration			
12:00 - 12:30	Opening remarks: Minister of Science and Space, Ophir Akunis, Prof Kenneth Hochberg, Rector of JCT, Thierry Dana-Picard and Ilias Kotsireas, co-chairs of ACA 2017			
12:30 - 13:30	Plenary #1 - Auditorium Rob Corless Gamma and Factorial in the Monthly			
13:30 - 14:30	Lunch			
	S1 - Auditorium	S14 - Room 315	S11 - Room 325	S8 - Room 460
14:30 - 15:00	P. Slobodsky, A. Ocheretovy, E. Roiz and A. Shtarkman Using the Universal Math Environment "Math-XPress" for teaching and assessment of math courses	X. Dahan Cayley graphs based on octonions, and their implementation in MAGMA	I. Hanniel Solving Multivariate Polynomial Systems using Hyperplane Arithmetic and Linear Programming	G. Dula Computing automorphism groups of designs-a way to produce new symmetric weighing matrices
15:00 - 15:30	P. Slobodsky, A. Ocheretovy, E. Roiz and A. Shtarkman Using the Universal Math Environment "Math-XPress" for teaching and assessment of math courses	Š. Gyürki A Collection of Procedures for Working with Directed Strongly Regular Graphs in GAP	J. Machchhar Efficient methods for roots of univariate scalar Béziers	A. Goldberger Reconstructing weighing matrices from their automorphism group
15:30 - 16:00	R. Abdu Supporting Mathematical Thinking with CAS: The Need of Epistemic Change Among Teachers	J. Karabaš,R. Nedela Classification of discrete group actions on Riemann surfaces of higher genera	S. Zube Rational parametrizations of Darboux and isotropic cyclides.	C. Even-Zohar Patterns in random permutations
16:00 - 16:30	E.S. Cheb-Terrab Active learning in High-School mathematics using Interactive Interfaces	M. Kagan A physics perspective on Algebraic Graph Theory (AGT)	G. Elber Precise Construction of Micro-structures and Porous Geometry via Functional Composition	H. Huang D-finite numbers
16:30 - 17:00	M. Fraenkel Dynamic Computer Illustrations and Didactic Considerations in the Learning and Teaching of Mathematics			