



# ACA 2017

## 23rd Conference on Applications of Computer Algebra

17-21 July , 2017, Jerusalem

Commemorating the Heritage of Jonathan Michael Borwein

### Friday 21 July

	S16 - Auditorium	S5 - Room 315	S6 - Room 325	S9 - Room 460
9:00 - 9:30	I.Daubechies, P. Ion, S. M. Watt The International Mathematical Knowledge Trust	D. Garber Length-based attacks on a cryptosystem based on polycyclic groups	T. Yeshua, O. Gleisner , V. Neeman, R. Lederman, M. Duvdevani, I. Leichter Algebraic Processing of Sequential Fluoroscopy Images for Quantitative Evaluation of Partial Obstruction of the Upper Urinary Tract	T. Dana-Picard Inflection points of bisoptic curves of conics
9:30 - 10:00	E. Bagno How a code for verifying our conjecture opened new directions	Y. Peretz , N. Granot On an efficient digital signature for the age of quantum computers	D. Kamoun Computer Algebra in Satellite Imaging	W. Mozgawa On the closest distance between a point and a convex body
10:00 - 10:30	B.J., Kubica Using Gröbner basis theory for an interval method solving undetermined equations	Lih-Chung Wang A New Quartic Multivariate Cryptosystem	J. Benjamin,D. Walker, A. Mylläri,T.Mylläri On the Applicability of Pairwise Separations Method in Astronomy: Influence of the Noise in Data	T. Dana-Picard, A. Naiman Isoptic curves of Fermat curves
10:30 - 11:00		X. Dahan On rational solutions of polynomial systems of dimension zero over a finite field	O. Nave Singular Perturbed Vector Fields (SPVF) Applied to Combustion of Spray of Diesel Droplets	C. Koutschan Constructing Linkages for Drawing Plane Curves
11:00 - 11:30	Coffee Break			
11:30 - 12:30	<b>Plenary #6 - Auditorium</b>			
12:00 - 12:30	Sara Hershkovitz Enhancing Teachers' and Students' Mathematical Knowledge in a Technology-Rich Environment			
12:30 - 13:00	<b>Auditorium</b> Closing ceremony			