



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 | Plenary #6 - Auditorium | | | |
| 12:00 - 12:30 | Sara Hershkovitz Enhancing Teachers' and Students' Mathematical Knowledge in a Technology-Rich Environment | | | |
| 12:30 - 13:00 | Auditorium Closing ceremony | | | |