

ADG 2016
Conference Program

Monday, 27 June	
10:00 - 11:00	Registration and Opening
11:00 - 12:00	Invited talk 1: <i>Predrag Janicic</i> Geometrisation of Geometry
12:30 - 14:00	Lunch
Session 1: Interactive Proofs in Geometry	
14:00 - 15:30	From Hilbert to Tarski <i>Gabriel Braun, Pierre Boutry and Julien Narboux</i>
	A New Formalization of Origami in Geometric Algebra <i>Tetsuo Ida, Jacques Fleuriot and Fadoua Ghourabi</i>
	A equivalence proof between rank theory and incidence projective geometry <i>David Braun, Nicolas Magaud and Pascal Schreck</i>
15:30 - 16:00	Coffee
Session 2: Curves and Surfaces	
16:00 - 17:00	Massic points, Bézier curves and conics: a survey <i>Lionel Garnier and Jean-Paul Bécar</i>
	On a certain class of cubic surfaces related to the Simson--Wallace theorem <i>Pavel Pech</i>
Tuesday, 28 June	
9:30 - 10h30	Invited talk 2: <i>Dominique Michelucci</i> Solving Constraints without Equations, Why and How
10:30 - 11:00	Coffee
Session 3: Deformations	
11:00 - 12:30	Geometric deformations of sodalite frameworks <i>Ciprian Borcea and Ileana Streinu</i>
	Computing the Straight Skeleton of a Simple Polygon from its Motorcycle Graph in Deterministic $O(n \log n)$ Time <i>John C. Bowers</i>
	Geodesic Star Unfolding <i>Md. Ashraful Alam and Ileana Streinu</i>
12:30 - 14:00	Lunch
16:00 - 17:30	Guided Tour
19:30 - 20:30	Social Art Café

Wednesday, 29 June	
9:30 - 10h30	Invited talk 3: <i>Victor Pambuccian</i> Dependence of axioms for weak geometries proved syntactically
10:30 - 11:00	Coffee
Session 4: Automatic Proof in Geometry	
11:00 - 12:30	The unexpected trick of Rabinowitsch <i>Manuel Ladra, Pilar Páez-Guillán and Tomás Recio</i>
	Portfolio Methods in Theorem Proving for Elementary Geometry <i>Vesna Marinkovic, Mladen Nikolic, Zoltan Kovacs and Predrag Janicic</i>
	Automatic rewrites of input expressions in computational algebraic geometry provers <i>Zoltán Kovács, Tomas Recio and Csilla Sólyom-Gecse</i>
12:30 - 14:00	Lunch
Session 5: Interactive Proof in Geometry	
14:00 - 15:30	Formalization of a Surface Subdivision Allowing a Region with a Hole without Coordinates <i>Kazuko Takahashi, Sosuke Moriguchi and Mizuki Goto</i>
	Automated Generation of Keywords from Images for Geometric Information Search <i>Dan Song and Xiaoyu Chen</i>
	Implementing Automatic Discovery in GeoGebra <i>Miguel A. Abánades, Francisco Botana, Zoltán Kovács, Tomás Recio and Csilla Sólyom-Gecse</i>
15:30 - 16:00	Coffee
16:00 - 16:30	Business Meeting

Thursday, 30 June

Special Session on Computer Assisted Theorem Proving for the Education	
9:30-12:30	Computer assisted theorem proving for the education or Computer assisted education for theorem proving? <i>Tomas Recio</i>
	Edukera : a point and click proof assistant for education <i>Benoit Rognier</i>