

SCHEDULE

Workshop on Applicable Algebra and Computer Science

A meeting in Honor of Jacques Calmet

Logroño, Spain
February 28-29, 2008

Thursday 28th

Room 105, Edificio Vives

09h30-10h00		Welcome
10h00-11h00	Talk	Werner Seiler (Kassel University) <i>"Algebraic Analysis of Physical Field Theories"</i>
11h00-11h30	Break	
11h30-12h30	Talk	Teo Mora (Genova University) <i>"Decoding cyclic codes via Gröbner techniques"</i>
12h30-13h30	Contributed presentations	12:30-13:00 Luis Laita (Un. Politécnica de Madrid) <i>"A Logic Inspired by Relativistic and Quantum Mechanics"</i> 13:00-13:30 Eugenio Roanes (Un. Complutense de Madrid) <i>"Computational Problems Underlying Transforming a Database of Historical Events into a Railway Network Map"</i>
13h30	Lunch	
16h00-17h00	Talk	Anna Bigatti (Genova University) <i>"Computations in Commutative Algebra"</i>
17h00-17h30	Break	
17h30-18h30	Talk	Graham Ellis (National University Ireland) <i>"Computing cohomology of groups and spaces"</i>
18h30-19h30	Contributed presentations	18:30-19:00 Edgar Martínez-Moro (Un. de Valladolid) <i>"Gröbner-Gradient decoding of linear codes"</i> 19:00-19:30 Robert Zeier (Harvard School of Engineering and Applied Sciences) <i>"Efficient computations in Schubert calculus"</i>

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Friday 29th

Room 105, Edificio Vives

10h00-11h00	Talk	Isabel Bermejo (Universidad de La Laguna) <i>"Complete intersections in affine monomial curves. A computational approach via Graph Theory"</i>
11h00-11h30	Break	
11h30-12h30	Talk	Henry Wynn (London School of Economics) <i>"Smooth polynomial interpolation with help from "ideals of points" theory"</i>
12h30-13h30	Contributed presentations	12:30-13:00 Marc Giusti (LIX, École Polytechnique) <i>"Bipolar Varieties and Real Resolution of Singular Hypersurfaces"</i> 13:00-13:30 Philippe Gimenez (Un. de Valladolid) <i>"On the first nonlinear syzygies of an edge ideal"</i>
13h30	Lunch	
16h00-16h30	Contributed presentations	16:00-16:30 Mehdi Sahbi (Karlsruhe University) <i>"Pommaret bases and Koszul homology for quasi-stable ideals"</i>
16h30-18h00		<i>Open discussion session</i>
18h00-18h30	Break	
18h30-19h30	Talk	Francis Sergeraert (Institut Fourier) <i>"Koszul Homology and Resolutions revisited through Effective Homology"</i>
19h30-20h00		<i>Closing session</i>