

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> |

SCHEDULE
Workshop on Applicable Algebra and Computer Science
A meeting in Honor of Jacques Calmet

Logroño, Spain
February 28-29, 2008

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> |