

# Seminar on Singularities: algebraic methods. Garachico 2008

September 2-6, 2008

## Schedule

### Tuesday 2

08:00-08:45 *Registration*

08:45-09:00 *Presentation*

09:00-09:50 S. Gusein-Zade, *Indices of 1-forms on singular varieties and algebraic formulae for them*

10:00-10:50 C. Bivià-Ausina, *Submodules of minimal Buchsbaum-Rim multiplicity and applications*

11:00-11:30 *Coffee Break*

11:30-12:20 L. Narváez, *On Hasse-Schmidt integrable derivations*

12:30-13:20 A. Melle, *On a conjecture by A. Durfee*

13:30-15:30 *Lunch*

15:30-16:20 A. Lemahieu, *The monodromy conjecture for nondegenerate surface singularities*

16:30-17:20 J.J. Risler, *Real Singularities and Curvature*

### Wednesday 3

09:00-09:50 B. Teissier, *On the valuations of noetherian local domains*

10:00-10:50 C. Favre, *Multiplier ideals and valuation space*

11:00-11:30 *Coffee Break*

11:30-12:20 F. Delgado de la Mata, *Generating sequences for a finite set of plane divisorial valuations*

12:30-13:20 H. Hauser, *Very regular and very singular varieties*

13:20-14:00 *Poster Session*

14:00-15:30 *Lunch*

15:30 *Boat excursion to Los Gigantes*

### Thursday 4

09:00-09:50 A. Płoski, *The Lojasiewicz exponent of an isolated weighted homogeneous surface singularity*

10:00-10:50 A. Lenarcik, *On the Lojasiewicz exponent, special direction and the maximal polar quotient*

11:00-11:30 *Coffee Break*

11:30-12:20 S. Encinas, *Computation of Lojasiewicz exponents*

12:30-13:20 F. Castro, *Gevrey solutions for some irregular hypergeometric systems*

13:30-15:30 *Lunch*

15:30-16:20 P. Cassou-Noguès, *Danielewski surfaces and topology at infinity of polynomials in  $\mathbf{C}[x, y]$*

16:30-17:20 J. Fernández de Bobadilla, *On Nash problem for surface singularities*

17:30 *Guided visit to Garachico*

### Friday 5

09:00-09:50 A. Campillo, *Equisingular deformations of plane curve singularities in any characteristic*

10:00-10:50 P. González-Pérez, *Approximate roots, toric resolutions and deformations of a plane branch*

11:00-11:30 *Coffee Break*

11:30-12:20 J. Gwoździewicz, *On Ephraim's pencils*

12:30-13:20 B. Martin, *Milnor algebra versus flatness stratum of singular locus in miniversal families*

13:30-15:30 *Lunch*

15:30-16:20 M. Alberich, *Classification of the birational projections of a sandwiched surface singularity to a plane*

16:30-17:20 P. Popescu-Pampu, *The kite of a constellation*

### Saturday 6

09:00 *Excursion to Teide National Park and San Cristóbal de La Laguna*