

Singularités Réelles et Systèmes Dynamiques, Nice 16-19 May 2011

All talks will be held in the salle de conférence du laboratoire J.-A. Dieudonné

Monday, May 16

14h-15h **Fabrizio Broglia** (Pisa)

On Pfister's multiplicative formulae for the ring of real analytic functions.

15h15-16h15 **Sorin Dumitrescu** (Nice)

Dynamique de l'algèbre de Killing d'une connexion analytique réelle.

16h30 - 17h30 **Maria Michalska** (Łódź, Chambéry)

Stability of algebras of bounded polynomials in two variables.

Tuesday, May 17

8h45-9h45 **Guillaume Rond** (Marseille)

Le théorème d'Abhyankar-Jung.

10h-11h00 **Edward Bierstone** (Toronto)

Birational models with normal crossings singularities.

11h30 - 12h30 **Daniel Panazzolo** (Mulhouse)

Center manifolds for holomorphic three-dimensional vector fields.

14h30 -15h30 **Laurent Stolovich** (Nice)

Normal forms of analytic perturbations of quasihomogeneous vector fields.

16h -17h : **Stanisław Spodzieja** (Łódź)

Separation of real algebraic sets and the Łojasiewicz exponent.

Wednesday, May 18

8h45-9h45 **Georges Comte** (Chambéry)

Rotation number of trajectories of Lipschitz vector fields.

10h-11h00 **Tamara Servi** (Lisbone)

Algebraic independence of Weierstrass p-functions and definability.

11h30 - 12h30 **Olivier Le Gal** (Valladolid)

New instances of o-minimality for solution of 2 dimensional systems of ODE.

14h30 -15h30 **Armin Rainer** (Vienne)

The exponential law for quasianalytic Denjoy-Carleman classes.

Thursday, May 19

8h45-9h45 **Pavao Mardesic** (Dijon)

On Uniform Boundedness of the Number of Zeros of Pseudo-Abelian Integrals .

10h-11h00 **Lubomir Gavrilov** (Toulouse)

On the number of limit cycles which appear by perturbation of two-saddle cycles of planar vector fields.

11h30 - 12h30 **Reinhard Schaefer** (Strasbourg)

Stokes Phenomena and Resurgence.