

Singular Landscapes: a conference in honor of Bernard Teissier

22 - 26 June, 2015

Centre Paul Langevin
Room "Parrachée"
Aussois, France

Scientific committee:

D. Bennequin
D. Eisenbud
H. Hauser
F. Loeser
I. Luengo
M. Spivakovsky

Organizing committee:

C. Favre
E. García Barroso
P. González Pérez
P. Popescu-Pampu



Program



All lectures take place in the room "Parrachée"

Monday, June 22

9:30

Welcome

10:00

T. Gaffney

« Families of isolated singularities and three inspirations from Bernard Teissier »

11:00

Coffee break

11:30

S. D. Cutkosky

« Local monomialization of analytic maps »

12:30

Lunch

14:00

J. Huh

« Milnor numbers of projective hypersurfaces and the chromatic polynomial of graphs »

15:15

A. Khovanskii

« Algebraic geometry, theory of singularities and convex geometry »

16:30

Coffee break

17:00

P. Popescu-Pampu

« How Teissier mixed multiplicities »

Tuesday, June 23

9:30

T. Yu

« Enumeration of curves via non-archimedean geometry »

10:30

Coffee break

11:00

J. Nicaise

« Refined curve counting and Hrushovski-Kazhdan motivic integration »

12:30

Lunch

14:00

B. Ulrich

« Rees algebras of codimension three Gorenstein ideals »

15:15

Y. Yin

« Non-Archimedean Lipschitz stratification »

16:15

Coffee break

16:45

M. Pe Pereira

« About the arc space of \mathbf{C}^2 and adjacencies of plane curves »

Wednesday, June 24

9:30

J. Lorenceau

« Continuities, discontinuities and singularities in visual perception »

10:30

Coffee break

11:00

J. Petitot

« Geometry of some functional architectures of vision »

12:30

Lunch

Thursday, June 25

9:30

J. Draisma

« Noetherianity up to symmetry »

10:30

Coffee break

11:00

A. Dimca

« Free divisors and rational cuspidal curves in the plane »

12:30

Lunch

14:00

M. Mustață

« On some questions about valuations and minimal log discrepancies »

15:15

M. McLean

« Minimal log discrepancy of isolated singularities and Reeb orbits »

16:15

Coffee break

17:00

M. Spivakovsky

« An overview of Teissier's works on valuations »

Friday, June 26

9:00

K. Kurdyka

« Convexifying positive polynomials and a proximity algorithm »

10:00

Coffee break

10:30

M. Temkin

« Resolution by alterations »

11:30

G. Comte

« Sets with few rational points »

12:30

Lunch