

1st Franco-Japanese-Vietnamese Symposium on Singularities

Nice, September 16 - 21, 2013

All talks will be held in the grand lecture hall (salle de conférences) du laboratoire J. A. Dieudonné

Monday, September 16

11h00-12h00 registration

12h15-14h00 Buffet (Laboratoire J. A. Dieudonné)

14h30-15h30 : Takehiko Yasuda (Osaka)

Motivic integration and wild ramification

Coffee break

16h00-17h00 : Wojciech Kucharz (Kraków, Uniwersytet Jagielloński)

Stratified-algebraic vector bundles (joint work with Krzysztof Kurdyka)

17h15-17h45 : Marcin Bilski (Kraków, Uniwersytet Jagielloński)

Higher order algebraic approximations of complex analytic sets

Tuesday, September 17

Special session in honor of Shoji Yokura

9h00-10h00 : Jörg Schürmann (Münster)

Bivariant characteristic classes

Coffee break

10h30-11h30 : Clint McCrory (Athens Georgia)

Stiefel-Whitney homology classes

11h45-12h15 : Toru Ohmoto (Sapporo)

Shoji Yokura's works and Kagoshima

Lunch break

14h30 -15h30 : Shoji Yokura (Kagoshima)

Motivic Donaldson-Thomas type Hirzebruch classes

Coffee break

16h -17h : Vittoria Bussi (Oxford)

Categorification of DT theory and Lagrangian intersection using perverse sheaves and motives

Wednesday, September 18

9h00-10h00 : Morihiko Saito (Kyoto)

Graded Koszul cohomology and pole order spectrum (joint work with A. Dimca)

Coffee break

10h30-11h30 : Dinh Si Tiep (Hanoi)

Łojasiewicz inequality on some non-compact domains

11h45-12h15 : Fabien Priziac (Brest)

Weight filtration for real algebraic varieties and group action

Lunch break

14h30-15h30 : Ta Le Loi (Dalat)
On the Łojasiewicz inequalities in o-minimal structures
Coffee break
16h00-16h30 : Nguyen Thi Bich Thuy (Marseille)
A singular set associated to a polynomial map
16h45-17h15 : Nguyen Hong Duc (Kaiserslautern)
Right uni- and bi- modal singularities in positive characteristic

Thursday, September 19

Special session in honor of Michel Merle

9h00-10h00 : François Loeser (IMJ, Paris 6)
Motivic height zeta functions and motivic Poisson formula
Coffee break
10h30-11h30 : Kiyoshi Takeuchi (Tsukuba University)
Toric compactifications for polynomial maps and their applications
11h45 – 12h15 : Le Quy Thuong (IMJ, Paris 6)
Motivic Milnor fiber from point of view of Hrushovski-Kazhdan's integration

Lunch break

14h30-15h30 : Masahiko Yoshinaga (Hokkaido University)
Milnor fibers of real line arrangements
Coffee break
16h00-17h00 : Goulwen Fichou (Rennes)
Real Milnor fibres and Puiseux series
17h15-17h45 : Michel Raibaut (Chambéry)
Motivic Milnor fibers of a rational fonction

19h30 Conference dinner La Ligure Restaurant

Friday, September 20

9h00-10h00 : Hiroo Tokunaga (TMU)
Geometry of sections of elliptic surfaces and its application
Coffee break
10h30-11h30 : Tomohiro Okuma (Yamagata)
Good ideals for Gorenstein surface singularities
11h45-12h15 : Ann Lemahieu (Lille)
On the monodromy conjecture

Buffet (Laboratoire J. A. Dieudonné)

14h00-15h00 : Anne Pichon (Marseille)
Bilipschitz geometry of complex surfaces and equisingularity
Coffee break
15h30-16h30 : Osamu Saeki (Kyushu)
Desingularizing special generic maps
16h45 – 17h15 : Shinzo Bannai (TMU)
Zariski \mathbb{P}^2 -plets for quartic-conic configurations from a view point of sub-configuration