

Ricci Curvature and Related Topics

I.HP. Paris, June 23rd-June 27th

- MONDAY 23rd

10h–11h **G. Huisken**: Isoperimetric inequalities and Willmore energy

11h–11h30 Coffee break

11h30–12h30 **P. Topping**: New applications of optimal transportation to Ricci flow

Lunch

14h30–15h30 **J. Lauret**: Ricci solitons on Lie groups

15h30–16h Break

16h–16h40 **A. Naber**: Noncompact Shrinking Solitons in dimension four

- TUESDAY 24th

10h–11h **A. Neves**: Translating solitons for Lagrangian mean flow

11h–11h30 Coffee break

11h30–12h30 **L. Ni**: Sharp logarithmic Sobolev inequality on gradient solitons

– Lunch

14h30–15h30 **F. Codá Marques**: Recent developments on the Yamabe Problem

15h30–16h Break

16h–16h40 **Z. Zhang**: Kahler-Ricci flow over algebraic manifold of general type

- WEDNESDAY 25th

10h–11h **K. Ecker**: Relation between an entropy functional and a Harnack inequality for mean curvature flow

11h–11h30 Coffee break

11h30–12h10 **V. Tosatti**: The Calabi-Yau equation on symplectic manifolds

12h20–13h **X. Cao**: Differential Harnack Inequalities in Geometric Flows

Lunch

FREE AFTERNOON

- THURSDAY 26th

10h–11h **T. Ilmanen**: Networks evolving by curvature in the plane

11h–11h30 Coffee break

11h30–12h30 **B. Wilking**: On Ricci flow in high dimensions

Lunch

14h30–15h30 **B. Kleiner**: Local collapsing with a lower curvature bound

15h30–16h Break

16h–16h40 **Y. Rubinstein**: Multiplier ideal sheaves and the Ricci flow

- FRIDAY 27th

10h–11h **D. Knopf**: Minimally invasive surgery for Ricci flow singularities

11h–11h15 Coffee break

11h15–12h15 **P. Lu**: Modified Shi's derivative estimate in Ricci flow

12h20–13h **D. Glickenstein**: Geometric flows on homogeneous spaces from a Riemannian groupoid perspective