# Conférence en l'honneur de J.-M. Bismut, Orsay

|  | Monday 27 | Tuesday 28 | Wednesday 29 | Thursday 30 | Friday 31 |
|---|---|---|---|---|---|
| 9:00-10:00 | *Petit déjeuner et inscription* | *Petit déjeuner et inscription* | *Petit déjeuner et inscription* | *Petit déjeuner et inscription* | *Petit déjeuner et inscription* |
| 10:00-11:00 | G. Tian<br>Princeton & Peking U.<br>*Ricci flow on Fano manifolds* | W. Werner<br>Université Paris-Sud<br>*Loops, fields and carpets* | M. Atiyah<br>Edinburgh<br>*Branched coverings and K-theory* | N. Bergeron<br>Paris 6     *On the Hodge conjecture for compact arithmetic quotients of complex balls* | W. Müller<br>Bonn<br>*Analytic torsion of locally symmetric spaces and its application to arithmetic groups* |
| 11:15-12:15 | A. Teleman<br>Université de Provence<br>*Determinant line bundles in non-Kählerian geometry and instanton moduli spaces over class VII surfaces* | S. Sheffield<br>M.I.T.<br>*Random surfaces: real and imaginary* | Y. Eliashberg<br>Stanford<br>*Topology of polynomially and rationally convex domains* | G. Faltings<br>Bonn<br>*Norm of Weierstrass section* | R. Mazzeo<br>Stanford<br>*Asymptotics of special metrics: methods and applications* |
| 12:15-14:00 | *Déjeuner* | *Déjeuner* | *Déjeuner* | *Déjeuner* | *Déjeuner* |
| 14:00-15:00 | R. Melrose<br>M.I.T.<br>*Fusive loop-spin structures* | K.-I. Yoshikawa<br>Kyoto<br>*Equivariant analytic torsion for K3 surfaces with involution* | S. Donaldson<br>Imperial college<br>*Volume estimates, Chow invariants and moduli of Kahler-Einstein metrics* | M. Kontsevich<br>I.H.E.S.<br>*On Kähler random walk and Lyapunov exponents* | S. Goette<br>Freiburg<br>*Morse functions and families torsion* |
| 15:00-15:30 | *Café* | *Café* | *Café* | *Café* | *Café* |
| 15:30-16:30 | J. Lott<br>Berkeley<br>*Transverse index problem for Riemannian foliations* | J. Dubédat<br>Columbia<br>*Dimers and families of Cauchy-Riemann operators* | D. Rössler<br>Toulouse<br>*On the Bismut-Koehler analytic torsion form of the Poincaré bundle of abelian schemes* | E. Getzler<br>Northwestern<br>*Higher analytic stacks, twisted complexes of holomorphic vector bundles, and the definition of the determinant* | C. Villani<br>Lyon I<br>*Hypocoercivity: results and problems* |