

HORAIRE / *PROGRAM*

CONFÉRENCE EN GÉOMÉTRIE DIFFÉRENTIELLE

5 au 9 juillet 2016

CONFERENCE ON

DIFFERENTIAL GEOMETRY

July 5– 9, 2016

Le mardi 5 juillet 2016 / Tuesday, July 5, 2016

08:30–09:00 Inscription / *Registration*

09:00–10:00 Roger Penrose (University of Oxford)
“On the geometry of palatial twistor theory”

10:00–10:30 Pause-café / *Coffee break*

10:30–11:30 David M. J. Calderbank (University of Bath)
“Heavenly constructions of quaternionic manifolds (following LeBrun, Feix and Kaledin)”

11:45–12:45 Nobuhiro Honda (Tokyo Institute of Technology)
“Algebraic geometry of twistor spaces”

12:45–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Michael Eastwood (University of Adelaide)
“Calculus on symplectic manifolds”

15:30–16:00 Pause-café / *Coffee break*

16:00–17:00 Robin Graham (University of Washington)
“Higher-dimensional Willmore energies via minimal submanifold asymptotics”

Le mercredi 6 juillet 2016 / Wednesday, July 6, 2016

09:00–10:00 Matthew J. Gursky (University of Notre Dame)
“A formal Riemannian structure on the space of conformal metrics and some applications”

10:00–10:30 Pause-café / *Coffee break*

10:30–11:30 Jimmy Petean Humen (Centro de Investigación en Matemáticas (CIMAT))
“Multiplicity of solutions to the Yamabe equation”

11:45–12:45 Masashi Ishida (Tohoku University)
“The Ricci flow on four-manifolds and the Seiberg-Witten equations”

12:45–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Claudio Arezzo (ICTP)
“Canonical metrics on blow-ups and resolutions of compact and non-compact manifolds”

15:30–16:00 Pause-café / *Coffee break*

16:00–17:00 Ioana Suvaina (Vanderbilt University)
“The role of Seiberg-Witten theory in Riemannian geometry”

19:00– Dîner social / *Social Dinner*

Le jeudi 7 juillet 2016 / Thursday, July 7, 2016

09:00–10:00 Simon Salamon (King's College London)
"Riemannian twistor theory"

10:00–10:30 Pause-café / *Coffee break*

10:30–11:30 Yat Sun Poon (University of California at Riverside)
"Degeneracy of spectral sequence of holomorphic Poisson bi-complex"

11:45–12:45 Lionel J. Mason (University of Oxford)
"Holomorphic discs and null geodesics"

12:45–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Gideon Maschler (Clark University)
"Conformally Kähler constant scalar curvature metrics with J-invariant Ricci tensor"

15:30–16:00 Pause-café / *Coffee break*

16:00–17:00 Christina W. Tønnesen-Friedman (Union College)
"Strongly Hermitian Einstein-Maxwell solutions on ruled surfaces"

Le vendredi 8 juillet 2016 / *Friday, July 8, 2016*

09:00–10:00 Simon Donaldson (SCGP & Imperial College)
“Adiabatic limits of G_2 structures”

10:00–10:30 Pause-café / *Coffee break*

10:30–11:30 Song Sun (Stony Brook University)
“Einstein metrics and algebraic singularities”

11:45–12:45 Craig van Coevering (U.S.T.C.)
“Uniqueness of Sasaki-extremal metrics”

12:45–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Bing Wang (University of Wisconsin-Madison)
“On the Kähler Ricci flow”

15:30–16:00 Pause-café / *Coffee break*

16:00–17:00 Michael Singer (University College London)
“Metric asymptotics of hyperKähler moduli spaces”

Le samedi 9 juillet 2016 / *Saturday, July 9, 2016*

09:00–10:00 Fabrizio Catanese (Lehrstuhl Mathematik VIII, Universität Bayreuth)
“Kodaira fibrations and rigid surfaces”

10:00–10:30 Pause-café / *Coffee break*

10:30–11:30 Luca Fabrizio Di Cerbo (ICTP)
“Fundamental group and Seshadri constants on smooth varieties”

11:45–12:45 Jeff Viaclovsky (University of Wisconsin)
“Deformation theory of scalar-flat Kahler ALE surfaces”