Special Holonomy and Geometric Structures on Complex Manifolds
IMPA, Rio de Janeiro, Março 11 – 15

Ricardo Mañé Auditorium

Hour	Monday, 11	Tuesday, 12	Wednesday, 13	Thursday, 14	Friday, 15
08:30 - 09:15	Registration				
09:15 - 09:30	Opening				
09:30 - 10:30	**Robert Bryant (Duke)** *A century of holonomy*	**Claude LeBrun (Stony Brook)** *Gravitational Instantons, Weyl Curvature, & Conformally Kähler Geometry*	**John Loftin (Rutgers)** *Cubic Differentials and Harmonic Maps into an Asymptotic Cone*	**Simon Salamon (KCL)** *Weak holonomy with symmetry*	**Jorge Lauret (Córdoba)** *Stable Homogeneous Einstein Metrics*
10:30 - 11:30	**Jason Lotay (Oxford)** *Translators in Lagrangian mean curvature flow*	**Andrei Moroianu (Paris Saclay)** *Locally conformally product structures*	**Bobby Acharya (KCL/ICTP)** *Special Holonomy Cones, Conformal Field Theories and Confinement in Five Dimensions*	**Lorenzo Foscolo (Rome)** *Hypertoric varieties, W-Hilbert schemes and Coulomb branches*	**Johannes Nordström (Bath)** *Rational homotopy type of closed 7- and 8-manifolds*
11:30 - 12:00	Coffee Break				
12:00 - 13:00	**Ilka Agricola (Marburg)** *3-(α, δ)-Sasaki Manifolds and Strongly Positive Curvature*	**Andrzej Derdzinski (Ohio State)** *Killing and Ricci-Hessian equations in (pseudo)Kähler geometry*	**Mirjam Cvetic (UPenn)** *Higher Symmetries of Quantum FIeld Theory from String Theory on Singular (Non-)Compact Special Holonomy Spaces*	**Daniel Fadel (UFRJ)** *Stability of critical points of the self-dual abelian YMH energy on Kähler manifolds*	**Adrián Andrada (Córdoba)** *On The Canonical Bundle Of The Complex Manifolds Underlying A Compact Hypercomplex Manifold*
13:00 - 14:30	Lunch				
14:30 - 15:30	**Andryi Haydys (Brussels)** *An index theorem for Z/2 harmonic spinors*	**Mario Garcia Fernandez (UAM)** *Vertex algebras from the Hull-Strominger system*	F R E E A F T E R N O O N	**Anna Fino (Miami/Torino)** *Non-Kähler manifolds via mapping tori*	**Mark Haskins (Duke)** *Recent developments in Laplacian flow of G_2 structures*
15:30 - 16:00	Poster Session - Coffee Break			Poster Session - Coffee Break	
16:00 - 17:00	**Udhav Fowdar (Unicamp)** *On flows of SU(2)-structures*	**Jakob Stein (Unicamp)** *Invariant gauge theory on asymptotically local conical G2 metrics*		**Nicoletta Tardini (Parma)** *Dolbeault and Bott-Chern harmonic forms on almost- Hermitian manifolds*	**Hans-Joachim Hein (Münster)** *Immortal solutions of the Kähler-Ricci flow*