

INdAM Workshop

Kähler and Sasakian Geometry in Rome - KSGR

Preliminary program of talks

**Tuesday June 16 (Roma1 and INdAM)**

9.15 Registration

10.00 Opening

10.30-11.20 Charles P. Boyer, University of New Mexico: *Sasakian Geometry: the recent work of Krzysztof Galicki*

11.30 Coffee

12.00-12.50 Claudio Arezzo, Università di Parma: *Complexified Kähler-Ricci flow, K-stability and singularities*

14.30-15.20 José Figueroa-O'Farrill, University of Edinburgh and IPMU, University of Tokyo: *M2-branes and Sasakian geometry*

15.30-16.20 Akira Fujiki, Osaka University: *On anti-self-dual bihermitian structures on surfaces of class VII*

16.30 Coffee

17.00-17.40 Brian Weber, Stony Brook University: *Singularities of Noncollapsed Extremal Kähler Metrics*

---

**Wednesday June 17 (Roma1 and INdAM)**

9.30-10.20 Jeff Viaclovsky, University of Wisconsin-Madison: *Limits of constant scalar curvature anti-self-dual metrics*

10.30-11.20 Nigel Hitchin, University of Oxford:  *$G_2$  manifolds and integrable equations*

11.30 Coffee

12.00-12.50 Paul Gauduchon, École Polytechnique

14.30-15.20 Yat-Sun Poon, UC Riverside: *Generalized contact structures*

15.30-16.20 Ivan Cheltsov, University of Edinburgh: *Kähler-Einstein del Pezzo orbifolds*

16.30 Coffee

17.00-17.40 Massimiliano Pontecorvo, Università Roma Tre: *On Hermitian geometry of complex surfaces*

20.00 Buffet

---

**Thursday June 18 (Roma1 and INdAM)**

9.30-10.20 Toshiki Mabuchi, Osaka University: *Uniqueness problem for Sasaki-Einstein metrics*

10.30-11.20 Craig van Coevering, MIT: *Noncompact Calabi-Yau manifolds*

11.30 Coffee

12.00-12.50 Martin Rocek, Stony Brook University: *Sigma-Models, the c-map, hyperkähler geometry, and a new duality*

14.30-15.20 Olivier Biquard, UPMC-Université Paris 6: *Einstein metrics and quaternionic distributions*

15.30-16.20 Liana David, IMAR: *Conformal-Killing forms in quaternionic-Kähler geometry*

16.30 Coffee

17.00-17.50 Ioana Suvaina, New York University: *Einstein metrics and exotic smooth structures on 4-manifolds*

---

**Friday June 19 (Roma Tre)**

10.00-10.50 Guofang Wang, Otto-von-Guericke University Magdeburg: *Sasaki-Ricci flow*

11.00 Coffee

11.30-12.20 Daniel Jafferis, Rutgers: *3-Sasakian duals with flavor*

12.30-13.20 Akito Futaki, Tokyo Institute of Technology: *Hilbert series and obstructions to asymptotic semistability*

13.30 Buffet

14.30-15.20 Xiuxiong Chen, University of Wisconsin-Madison: *Space of Ricci flows*

15.30-16.10 Claude LeBrun, Stony Brook University: *Einstein Metrics, Complex Surfaces, and Symplectic 4-Manifolds*