

Workshop on Arithmetic and Geometry

Grand Hotel San Michele

Contrada Bosco, 30 - Gettraro (CS)

26 August - 4 September 2016

Funded by:

DFG (Deutsche Forschungsgemeinschaft) Forschergruppe 790 'Classification of Algebraic Surfaces and Compact Complex Manifolds'
ERC Advanced Grant 340258 'TADMICAMT (Topological, Algebraic, Differential Methods in Classification and Moduli Theory)'
Scuola Normale Superiore
University of Bayreuth

Scientific Committee:

Fabrizio Catanese, University of Bayreuth
Umberto Zannier, Scuola Normale Superiore

Aim:

To bring together experts from neighbouring and interacting fields, extending existing cooperations



FOR INFORMATION PLEASE CONTACT
Service, Contrada Bosca's Reception, Entrance

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Cetraro Grand Hotel San Michele (2016)

Saturday August 27:

- 10.45 - 11.30:** Michael Stoll (Bayreuth)
Rational points on curves contained in the square of an elliptic curve of rank 1
- 18.00 - 18.45:** Bruno Klingler (Jussieu, Paris)
Hodge theory and atypical intersections.

Sunday August 28:

- 9.30 - 10.15:** Ingrid Bauer (Bayreuth)
On rigid compact complex surfaces and manifolds
- 10.45 - 11.30:** Yongnam Lee (KAIST Daejeon)
On rational maps from a hypersurface section of a Fano 3-fold and its double cover
- 18.00 - 18.45:** Michael Loenne (Bayreuth)
On the stable topology of Hurwitz spaces

Monday August 29:

- 9.30 - 10.15:** Yujiro Kawamata (Tokyo)
Derived McKay correspondence for $GL(3, \mathbb{C})$.
- 10.45 - 11.30:** Soenke Rollenske (Marburg)
Gorenstein stable surfaces with $KX^2 = 1$
- 18.00 - 18.45:** Matthew Stover (Temple Univ. Philadelphia)
Brauer groups of character varieties.

Tuesday August 30:

- 10.00 - 10.45:** Michael Dettweiler (Bayreuth)
The inverse Galois problem, convolution and Fourier transform
- 18.00 - 18.45:** Gareth Jones (Manchester)
Pfaffian functions and elliptic functions.

Wednesday August 31:

- 10.00 - 10.45:** Alberto Perelli (Genova)
Converse theorems for L-functions
- 18.00 - 18.45:** Fabio Perroni (Trieste)
Dihedral Galois covers of algebraic varieties and the simple cases.

Thursday September 1:

- 10.00 - 10.45:** Benjamin Colias (DFG - Bayreuth)
Arithmetic and motivic considerations for the moduli stack of curves
- 18.00 - 18.45:** Pietro Corvaja (Udine)
On the Hilbert Property for algebraic varieties over number fields

Friday September 2 and Saturday September 3:

- Informal talks and mathematical discussions -