

Tentative Schedule from 1 June to 5 June 2015

1 June 2015

9:30 - 10:30 Registration
10:30 - 10:45 Welcome
10:45 - 12:15 Enrico Arbarello
14:15 - 16:00 Soenke Rollenske
16:00 – 16:30 Coffee break
16:30 - 18:15 Soenke Rollenske

2 June 2015

Poster Session

3 June 2015

9:30 – 11:00 Gianluca Pacienza
11:00 – 11:30 Coffee break
11:30 - 13:00 Soenke Rollenske
15:00 - 16:30 Gianluca Pacienza

4 June 2015

9:30 – 11:00 Gianluca Pacienza
11:00 – 11:30 Coffee break
11:30 - 13:00 Gianluca Pacienza
15:00 - 16:30 Enrico Arbarello

5 June 2015

9:30 – 11:00 Soenke Rollenske
11:00 – 11:30 Coffee break
11:30 - 13:00 Enrico Arbarello
15:00 - 16:30 Enrico Arbarello

Enrico Arbarello (*Sapienza* Università di Roma)

Curves and sheaves on K3 surfaces

K3 surfaces as Brill-Noether loci of vector bundles on their hyperplane sections. The square of the ideal of a canonical curve. Brill-Noether curves on K3 surfaces.

Gianluca Pacienza (Université Strasbourg)

Rational curves and Chow groups of irreducible symplectic varieties

Mumford's theorem on 0-cycles and its generalizations. The Chow ring of K3 surfaces.

Rational curves and Chow groups of irreducible symplectic varieties. The Bloch-Beilinson filtration and coisotropic families of rational curves.

Soenke Rollenske (Universitaet Maarburg)

Introduction to stable surfaces

Introduction to semi-log-canonical surface singularities. Definition of the moduli space of stable surfaces and first examples: topological and holomorphic invariants. Extension of Bombieri's result: pluricanonical maps. Geography and special families of surfaces.