

LMS Society Meeting at the BMC

8 April 2014

11.30 am

QMUL

Claire Voisin

(CNRS and Ecole Polytechnique)

Points, zero cycles, and rationality questions

A very classical question in algebraic geometry is whether a given smooth projective variety is rational, that is, birationally isomorphic to projective space, or to give necessary criteria for rationality. Assuming we work over the complex numbers, this is very restrictive on the geometry of the considered variety seen as a complex manifold. Still, if we restrict to the so-called rationally connected varieties, proving that X is non rational is delicate. Claire Voisin will describe classical and more recent methods to approach this problem.



The British Mathematical Colloquium will take place in the School of Mathematics at QMUL from 7-10 April 2014.

The first talk will start at 15.30 on Monday 7th April, and the last talk will end at 12:30 on Thursday 10th April.

To register, please visit: www.maths.qmul.ac.uk/bmc2014/registration

Early bird registration closes on 14 February 2014.

The London Mathematical Society is the UK's learned society for mathematics. Founded in 1865 for the promotion and extension of mathematical knowledge, the Society has a membership of over 2500 drawn from all parts of the UK and overseas. Its principal activities are the organisation of meetings and conferences, publication of journals and books, provision of financial support for mathematical activities, and contribution to public debates on issues related to mathematics, research and education.

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