



CENTRE
HENRI LEBESGUE
CENTRE DE MATHÉMATIQUES

2013.14

MASTER 2 IN RENNES AND NANTES
STRENGTHENED IN

ALGEBRA GEOMETRY

THEMATIC SEMESTER - AROUND MODULI SPACES
WWW.LEBESGUE.FR/CONTENT/SEM2014-ESPACES-DE-MODULES

CORE COURSES

- INTRODUCTIVE AND ADVANCED NUMBER THEORY
 - INTRODUCTION TO ALGEBRAIC TOPOLOGY
- GEOMETRY AND COHOMOLOGY OF REAL AND COMPLEX MANIFOLDS AND ALGEBRAIC VARIETIES
 - HYPERBOLIC GEOMETRY AND APPLICATIONS TO ARITHMETICS
- APPLICATIONS TO CRYPTOGRAPHY

ADVANCED COURSES

- HOLOMORPHIC FOLIATIONS
 - HOMOLOGICAL ALGEBRA AND DERIVED CATEGORIES
- GEOMETRIC INVARIANT THEORY AND MODULI SPACES
 - FANO VARIETIES AND CUBICS
 - SYMPLECTIC GEOMETRY
- LAGRANGIAN FLOER HOMOLOGY
 - QUANTUM CRYPTOGRAPHY
 - THEORY OF DISTRIBUTION OF VALUES

SPRING SCHOOL

CLASSICAL AND P-ADIC HODGE THEORIES
MAY 12TH-23RD - RENNES
SPEAKERS: V.ABRASHKIN, L.BERGER, P.BERTHELOT, O.BRINON, P.EYSSIDIEUX, S.KEBEKUS, D.MÉGY, L.MIGLIORINI, F.MOKRANE, J.NAGEL, C.PETERS

SUMMER SCHOOL

DERIVED CATEGORIES
IN PARTNERSHIP WITH GRIFGA
JUNE 23RD-27TH - NANTES
SPEAKERS: A.KUZNETSOV, B.KELLER, Y.TODA, D.GAITSGORY

CONFERENCES

A SERIES OF CONFERENCES AT RESEARCH LEVEL

POSSIBILITIES OF MASTER SCHOLARSHIPS

WWW.LEBESGUE.FR/MASTER-2013-2014



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SUPPORTS
AGENCE NATIONALE
DE LA RECHERCHE
RÉGION BRETAGNE
RÉGION PAYS DE LA LOIRE

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