

HORAIRE / *PROGRAM*

ATELIER
CYCLES ALGÈBRIQUES ET MODULES

2 au 8 juin 2016

WORKSHOP
ALGEBRAIC CYCLES AND MODULI

June 2– 8, 2016

CONFÉRENCES : salle 1035 (Pavillon J.-Armand-Bombardier)

PAUSES-CAFÉ : Atrium (Pavillon J.-Armand-Bombardier)

LECTURES: *Room 1035 (Pavillon J.-Armand-Bombardier)*

COFFEE BREAKS: *Atrium (Pavillon J.-Armand-Bombardier)*

Le jeudi 2 juin 2016 / Thursday, June 2, 2016

09:00–09:30 Inscription et café croissants (Salle Atrium)
Registration and Coffee & Croissants (Room Atrium)

09:30–10:30 Mark Green (UCLA)
“Hodge theory and KSBA surface singularities”

10:30–11:00 Pause-café / *Coffee break* (Salle / Room Atrium)

11:00–12:00 Chris Peters (Institut Fourier)
“From Belyi curves to embedded Mumford-Tate varieties: applying the spread philosophy to rigid data”

12:00–14:00 Pause-déjeuner / *Lunch break*

14:00–15:00 James D. Lewis (University of Alberta)
“The business of height pairings”

15:00–15:30 Pause-café / *Coffee break* (Salle / Room Atrium)

15:30–16:30 Deepam Patel (Purdue University)
“Enriched Hodge structures on thickenings”

Le vendredi 3 juin 2016 / *Friday, June 3, 2016*

09:00–09:30 Café croissants / *Coffee & Croissants* (Salle / *Room Atrium*)

09:30–10:30 Colleen Robles (Duke University)
“Degenerations of Hodge structures”

10:30–11:00 Pause-café / *Coffee break* (Salle / *Room Atrium*)

11:00–12:00 Eyal Markman (University of Massachusetts)
“Constructing algebraic cycles on products of K3 surfaces via hyperholomorphic bundles”

12:00–14:00 Pause-déjeuner / *Lunch break*

14:00–15:00 Eduard Looijenga (Universiteit Utrecht)
“Goresky-Pardon classes and Tate extensions”

15:00–15:30 Pause-café / *Coffee break* (Salle / *Room Atrium*)

15:30–16:30 Arvind N. Nair (Tata Institute of Fundamental Research)
“Mixed (Tate) motives in A_g ”

Le samedi 4 juin 2016 / *Saturday, June 4, 2016*

09:00–09:30 Café croissants / *Coffee & Croissants* (Salle / Room Atrium)

09:30–10:30 Radu Laza (Stony Brook University)
“Degenerations of intermediate Jacobians”

10:30–11:00 Pause-café / *Coffee break* (Salle / Room Atrium)

11:00–12:00 Giulia Sacca (Stony Brook University)
“Intermediate Jacobians and hyperKähler manifolds”

12:00–14:00 Pause-déjeuner / *Lunch break*

14:00–15:00 Sampei Usui (Osaka University)
“Extended period domains and algebraic group”

15:00– Café et discussions / *Coffee and Free Discussion Time* (Salle / Room Atrium)

Le dimanche 5 juin 2016 / *Sunday, June 5, 2016*

Journée libre / *Free day*

Le lundi 6 juin 2016 / *Monday, June 6, 2016*

09:00–09:30 Café croissants / *Coffee & Croissants* (Salle / *Room Atrium*)

09:30–10:30 Ben Moonen (Radboud University Nijmegen)
“On the Tate and Mumford-Tate conjectures for varieties with $h^{2,0} = 1$ ”

10:30–11:00 Pause-café / *Coffee break* (Salle / *Room Atrium*)

11:00–12:00 Christopher Deninger (Universität Münster)
“A remark on height pairings”

12:00–14:00 Pause-déjeuner / *Lunch break*

14:00–15:00 Angela Gibney (University of Georgia)
“Geometric interpretations for conformal blocks at stable curves”

15:00–15:30 Pause-café / *Coffee break* (Salle / *Room Atrium*)

15:30–16:30 Prakash Belkale (UNC Chapel Hill)
“Topology of hyperplane arrangements and invariant theory”

Le mardi 7 juin 2016 / Tuesday, June 7, 2016

09:00–09:30 Café croissants / *Coffee & Croissants* (Salle / Room Atrium)

09:30–10:30 Kartik Prasanna (University of Michigan)
“Hodge classes on products of quaternionic Shimura varieties”

10:30–11:00 Pause-café / *Coffee break* (Salle / Room Atrium)

11:00–12:00 Matilde Lalín (Université de Montréal)
“The Mahler measure of elliptic curves”

12:00–14:00 Pause-déjeuner / *Lunch break*

14:00–15:00 Alexei A. Oblomkov (University of Massachusetts)
“Cohomology of Hitchin Fibers: cup product structure”

15:00–15:30 Pause-café / *Coffee break* (Salle / Room Atrium)

15:30–16:30 Elham Izadi (University of California, San Diego)
“A uniformization of the moduli space of abelian sixfolds”

Le mercredi 8 juin 2016 / Wednesday, June 8, 2016

09:00–09:30 Café croissants / *Coffee & Croissants* (Salle / Room Atrium)

09:30–10:30 Paul Hacking (University of Massachusetts Amherst)
“Compactifications of moduli spaces of K3 surfaces via mirror symmetry”

10:30–11:00 Pause-café / *Coffee break* (Salle / Room Atrium)

11:00–12:00 Charles Doran (University of Alberta)
“Calabi-Yau manifolds, mirrors, and moduli”

12:00– Fin de l’atelier / *Closure of the workshop*