Mixed Hodge Modules
August 19-23, 2013
Clay Mathematics Institute
Mathematical Institute
University of Oxford

Schedule

Monday, August 19
8:30 Registration
9:00-10:00 **Claude Sabbah**, *Pre-Hodge modules*
10:00-12:00 Break and discussion session
12:00-2:00 Lunch
2:00-3:00 **Donu Arapura**, *Polarized Hodge modules*
3:00-4:30 Break and discussion session
4:30-5:30 **Takuro Mochizuki**, *Mixed Hodge modules*

Tuesday, August 20
9:00-10:00 **Mircea Mustata**, *The bistrictness property for projective morphisms*
10:00-10:30 **Balazs Szendroi**, *Applications to Donaldson-Thomas theory*
10:30-12:00 Break and discussion session
12:00-2:00 Lunch
2:00-3:00 **Morihiko Saito**, *On the definition of mixed Hodge modules*
3:00-4:30 Break and discussion session
4:30-5:30 **Florian Ivorra**, *Examples of computations*

Wednesday, August 21
9:00-10:00 **Christian Schnell**, *Direct image and F-filtration*
10:00-12:00 Break and discussion session
12:00-2:00 Lunch
2:00-3:00 **Thomas Reichelt and Christian Sevenheck**, *Open embeddings*
3:00-4:30 Break and discussion session
4:30-5:30 **Mihnea Popa**, *Kodaira vanishing*
7:00 Dinner at St. Anne's College

Thursday, August 22
9:00-10:00 **Laurentiu Maxim and Jörg Schürmann**, *Characteristic classes*
10:30-12:00 Break and discussion session
12:00-2:00 Lunch
2:00-3:00 **Mark de Cataldo**, *Classic Hodge theory and MHM*
3:00-4:30 Break and discussion session
4:30-5:30 **Patrick Brosnan**, *Recovering older results*

Friday, August 23
9:00-10:00 **Pramod Achar**, *G-equivalent MHM*
10:00-11:00 Break and discussion session
11:00-12:00 **Nero Budur**, *Applications to multiplier ideals*
12:00-2:00 Lunch
2:00-3:00 **Chris Peters**, *Hodge modules on Shimura varieties*
3:00-4:30 Break and discussion session
4:30-5:30 **Kari Vilonen**, *Unitary representations of reductive Lie groups*