

**Algebraic Varieties, Hodge Theory and Motives**

**March 19–22, 2018**

**The Fields Institute, Room 230, 222 College Street, Toronto**

**MARCH 19, 2018**

10:00am **Yang, Yifan** (National Taiwan University, Taiwan)

**Rational torsion on the generalized Jacobian of a modular curve with cuspidal modulus**

11:30am **Long, Ling** (Louisiana State University)

**Computing certain L-values of modular forms with complex multiplication (CM)**

12:30pm–2:30pm **Lunch**

2:30pm **Goto, Yasuhiro** (Hokkaido University of Education)

**Calabi-Yau threefolds of Delsarte type and their formal groups**

4:00pm **Yeats, Karen** (University of Waterloo)

**Recent progress on an arithmetic graph invariant with applications in quantum field theory**

**MARCH 20, 2018**

10:00am **Arapura, Donu** (Purdue University)

**Hodge theory of the universal genus two curve**

11:30am **Sacca, Giulia** (MIT)

**Remarks on degenerations of hyperkähler manifolds and OG10**

12:30pm–2:30pm **Lunch**

2:30pm **Li, Muxi** (Washington University in St. Louis)

**Integral Regulators for Higher Chow Complexes**

4:00pm **Gallardo, Patricio** (Washington University in St. Louis)

**On double covers and their degenerations**

**MARCH 21, 2018**

10:00am **Le, Daniel** (University of Toronto)

**Weights of mod  $p$  Galois representations**

11:30am **Keast, Ryan** (University of Toronto/Fields)

**Integral and Absolute Hodge Classes**

12:30pm–2:30pm **Lunch**

2:30pm **Sasaki, Tokio** (Washington University in St. Louis)

**Limits and Singularities for  $K_1$  cycles on Algebraic Surfaces**

4:00pm **Goswami, Souvik** (Texas A & M University)

**Higher arithmetic Chow groups**

**MARCH 22, 2018**

10:00am **Lewis, James** (University of Alberta)

**Differential equations associated to normal functions, and the transcendental regulator for a K3 surface and its self-product**

11:30am **Pearlstein, Greg** (Texas A & M University)

**Torelli theorems for special Horikawa surfaces and special cubic 4-folds**