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