ARITHMETIC AND GEOMETRY OF ALGEBRAIC VARIETIES
WITH SPECIAL EMPHASIS ON
CALABI–YAU VARIETIES AND MIRROR SYMMETRY
NOVEMBER 15–16, 2014

The Fields Institute, 222 College Street, Toronto

Organized by James D. Lewis (Alberta) and Noriko Yui (Queen's)

NOVEMBER 15, 2014

9:30am **Xi Chen** (University of Alberta)
Xiao's conjecture on canonically fibered surfaces

10:30am **Yasuhiro Goto** (Hakkaido University of Education)
Formal groups attached to Calabi–Yau varieties

11:30am **Alex Molnar** (Queen's University)
Arithmetic on intermediate Jacobians of rigid Calabi–Yau threefolds

12:30pm–2:30pm **Lunch**

2:30pm **Natalia Garcia** (Queen's University)
Curves of low genus on surfaces

3:30pm **Steve Rayan** (University of Toronto)
Hyperpolygons and Hitchin systems

4:30pm **Zhong Changlong** (University of Alberta)
Equivariant oriented cohomology of flag varieties

6:00pm **Workshop Dinner**

NOVEMBER 16, 2014

9:30am **James Lewis** (University of Alberta)
The simplicial regulator of Deligne cohomology

10:30am **Andrija Perunicic** (Queen's University)
Zeta functions of some K3 surface quotients

11:30am **Alan Thompson** (University of Waterloo)
Moduli of Calabi–Yau threefolds fibered by lattice polarized K3 surfaces

12:30pm **Doug Haessig** (University of Rochester)
Zeta functions and L-functions on complements

Afternoon **Informal Discussions**