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

The Fields Institute, 222 College Street, Toronto

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

MARCH 15, 2014

9:30am **Xi Chen** (University of Alberta)
On Vojta's $1 + \varepsilon$ Conjecture

10:30am **Alberto Garcia–Raboso** (University of Toronto)
A twisted nonabelian Hodge correspondence

11:30am **Ruxandra Moraru** (University of Waterloo)
Kobayashi–Hitchin correspondence for generalized Kaehler manifolds

12:30pm–2:30pm **Lunch**

2:30pm **Hector Pasten** (Queen's University)
Conjectures about periods of elliptic curves

3:30pm **Simon Rose** (Queen's University)
Computing the Gromov-Witten invariants of an elliptically fibred threefold over $DP8$

4:30pm **James Lewis** (University of Alberta)
A Variation of the Beilinson-Hodge Conjecture

6:00pm **Workshop Dinner**

MARCH 16, 2014

9:30am **Doug Haessig** (University of Rochester),
Dwork's unit root L-function in the rank one case

10:30am **Andrija Perunicic**, (Queen's University)
p-adic Berglund-Hübsch-Krawitz Duality and Arithmetic Mirror Symmetry

11:30am **Noriko Yui** (Queen's University)
Non-rigid Calabi–Yau threefolds over the rationals and their modularity

Afternoon **Informal Discussions**