ARITHMETIC AND GEOMETRY OF ALGEBRAIC VARIETIES
WITH SPECIAL EMPHASIS ON
CALABI–YAU VARIETIES AND MIRROR SYMMETRY
MARCH 12–13, 2016
The Fields Institute, Room 230, 222 College Street, Toronto
Organized by James D. Lewis (Alberta) and Noriko Yui (Queen’s)

MARCH 12, 2016

10:00am  Chen, Xi (University of Alberta)
A¹ curves on log K3 surfaces

11:00am  Sampath, Kannappan (Queen’s University)
Finiteness and comparison results for Galois representations

12:00pm–2:00pm  Lunch

2:00pm  Thompson, Alan (University of Waterloo)
Mirror symmetry for fibrations and degenerations

3:30pm  Haessig, Doug (University of Rochester)
Unit root L-functions and modular forms

4:30pm  Yui, Noriko (Queen’s University)
Modularity/Automorphy of Calabi–Yau varieties of CM type

6:00pm  Workshop Dinner

MARCH 13, 2016

10:00am  Zhou, Jie (Perimeter Institute)
CY/LG correspondence for elliptic orbifold curves via modularity

11:00am  Molnar, Alex (Queen’s University)
Families of Calabi–Yau threefolds

12:00 noon  Lewis, James (University of Alberta)
The Business of Hodge Theory and Algebraic Cycles

Afternoon  Informal Discussions