BIRS Summer School on Contemporary Methods for Solving Diophantine Equations
June 10 - 17, 2012

Lecturers
  Michael Bennett (*Mike*) - University of British Columbia
  Nils Bruin (*Nils*) - Simon Fraser University
  Yann Bugeaud (*Yann*) - Université de Strassbourg
  Bjorn Poonen (*Bjorn*) - Massachusetts Institute of Technology
  Samir Siksek (*Samir*) - University of Warwick

Monday
  9:15 - 9:30 BIRS Introduction
  9:30 - 10:30 *Mike*: Introductory lecture
  10:30 - 11:00 coffee break
  11:00 - 12:00 *Bjorn*: Rational points on varieties, Brauer-Manin obstruction
  12:00 - 13:30 lunch
  13:30 - 14:30 *Nils*: Skolem's method
  14:30 - 17:30 Problem Sessions (break-out in small groups)
  17:30 - 19:30 dinner
  19:30 - 20:30 Evening Meeting (presentation of solutions to problems)

Tuesday
  9:30 - 10:30 *Nils*: Explicit Descent
  10:30 - 11:00 coffee break
  11:00 - 12:00 *Yann*: Linear Forms in Logarithms, general theory
  12:00 - 13:30 lunch
  13:30 - 14:30 *Bjorn*: The Brauer-Manin obstruction for abelian varieties and curves
  14:30 - 17:30 Problem Sessions (break-out in small groups)
  17:30 - 19:30 dinner
  19:30 - 20:30 Evening Meeting (presentation of solutions to problems)

Wednesday
  9:30 - 10:30 *Samir*: Modularity, Level Lowering and Frey Curves
  10:30 - 11:00 coffee break
  11:00 - 12:00 *Bjorn*: Torsors and the descent obstruction
  12:00 - 12:10 Group Photo
  12:10 - 13:30 lunch
  13:30 - 14:30 *Yann*: S-Unit and Thue equations
  14:30 - 17:30 Problem Sessions (break-out in small groups)
  17:30 - 19:30 dinner
  19:30 - 20:30 Evening Meeting (presentation of solutions to problems)

Thursday
  Contributed Presentations
  lunch
  Free Afternoon

Friday
  9:30 - 10:30 *Bjorn*: Insufficiency of the obstructions
  10:30 - 11:00 coffee break
  11:00 - 12:00 *Samir*: Fermat's Last Theorem and Variants
  12:00 - 13:30 lunch
  13:30 - 14:30 *Yann*: Further applications to Diophantine equations
  14:30 - 17:30 Problem Sessions (break-out in small groups)
  17:30 - 19:30 dinner
  19:30 - 20:30 Evening Meeting (presentation of solutions to problems)

Saturday
  9:30 - 10:30 *Samir*: The Method of Kraus
  10:30 - 11:00 coffee break
  11:00 - 12:00 *Mike*: Hypergeometric method
  12:00 - 13:30 lunch
  13:30 - 14:30 *Nils*: Chabauty and Mordell-Weil sieving
  14:30 - 17:30 Problem Sessions (break-out in small groups)
  17:30 - 19:30 dinner
  19:30 - 20:30 Evening Meeting (presentation of solutions to problems)

Sunday
  No events scheduled due to early departures for CNTA XII in Lethbridge. BIRS facilities available in the morning for participants who would like to make use of them.