

Echidna II

The University of Sydney, Australia, 12–14 January 2005

All talks will be held in 375 Carlaw, and tea in 727 Carlaw

Wednesday Programme

- 14:00-15:00 Mark Watkins
(*Institut Henri Poincaré*) *Heegner points*
- 15:00-15:30 **Afternoon Tea**
- 15:40-16:30 Martine Girard
(*University of Sydney*) *Maximality of the Weierstrass subgroup of the generic genus g curve*

Thursday Programme

- 09:30-10:00 **Morning Tea**
- 10:10-11:00 David Kohel
(*University of Sydney*) *Igusa class invariants via p -adic lifting*
- 11:10-12:00 Peter Stevenhagen
(*Universiteit Leiden*) *Large elliptic curves from small discriminants*
- 12:00-13:30 **Lunch**
- 13:30-14:00 Claus Fieker
(*University of Sydney*) *Introduction to and examples of Drinfeld modules*
- 14:10-15:00 Jean-Marc Couveignes
(*Université Toulouse II*) *Jacobians and numerical stability*
- 15:00-15:30 **Afternoon Tea**
- 15:30-16:00 **Departure for Clovelly Beach BBQ**

Friday Programme

- 09:30-10:00 **Morning Tea**
- 10:10-11:00 Ben Smith
(*University of Sydney*) *Realising endomorphisms of Jacobians with correspondences*
- 11:10-12:00 David Lubicz
(*CELAR*) *Multiplication formulas for theta functions*
- 12:00-13:30 **Lunch**
- 13:30-14:20 Robert Carls
(*University of Sydney*) *Frobenius lifts and theta transformation formulas*
- 14:20-15:00 **Afternoon Tea**
- 15:10-16:00 Alf van der Poorten
(*ceNTRe, Sydney*) *Continued fractions and Somos sequences*