

# Conference on Arithmetic Geometry and Applications

6-9 April 2009

Stellenbosch University, South Africa

Monday 6 April	
09h00	Welcome
09h30 - 10h30	Marc Hindry: <i>An analog of the Brauer-Siegel theorem for abelian varieties over function fields in positive characteristic</i>
11h00 - 12h00	Amilcar Pacheco: <i>Special values of L-functions and motives</i>
	<i>lunch</i>
14h30 - 15h30	Sinnou David: <i>Intersecting varieties and algebraic subgroups of commutative algebraic groups: conjectures and recent results</i>
16h00 - 17h00	Hans-Georg Rück: <i>Drinfeld modules and modular polynomials</i>

Tuesday 7 April	
09h00 - 10h00	Ernst-Ulrich Gekeler: <i>Statistics of elliptic curves over finite fields</i>
10h30 - 11h30	Werner Bley: <i>Numerical evidence for the equivariant Birch and Swinnerton-Dyer conjecture</i>
12h00 - 13h00	Ian Kiming: <i>On modular mod <math>p^m</math> Galois representations</i>
	<i>lunch</i>
14h30 - 15h30	Werner Lütkebohmert: <i>Totally degenerating rigid varieties</i>
16h00 - 17h00	Archie Karumbidza: <i>The André-Oort conjecture for products of Drinfeld modular varieties</i>

Wednesday 8 April : Symposium at AIMS	
09h00	Drive to AIMS, Cape Town
10h00 - 11h00	Marc Hindry: <i>A brief journey through the world of elliptic curves</i>
11h30 - 12h30	Barry Green: <i>On algebraic geometric codes: Finite fields revisited</i>
	<i>lunch</i>
Afternoon	Outing to Simonstown and Kirstenbosch
Evening	Dinner

Thursday 9 April	
09h00 - 10h00	Florian Breuer: <i>Torsion bounds for elliptic curves and Drinfeld modules</i>
10h30 - 11h30	Nicolas Ratazzi: <i>Torsion bounds in abelian varieties of GSp type</i>
12h00 - 13h00	Arnold Keet : <i>Towers of Drinfeld modular curves</i>
	<i>lunch</i>
14h30 - 15h30	Johannes Jungnickl: <i>Taking square-roots modulo <math>p</math></i>
16h00 - 17h00	Free slot