

# ERC Research Period on Diophantine Geometry

20th September 2012 – 20th October 2012

Conferences to be held in Sala Conferenze, piazza dei Cavalieri 3

## Date & Time Speaker

### Tuesday, September 25

- 10:30 – 11:00 **Patrice Philippon** Institut de Mathématiques de Jussieu, CNRS  
*Arithmetic geometry on toric varieties*
- 11:20- 11:50 **Michel Waldschmidt** Université Pierre et Marie Curie  
*Families of Diophantine equations*
- 15:00 - 15:30 **Lukas Pottmeyer** Universität Regensburg  
*Heights and totally real numbers*
- 15:45 - 16:15 **Benjamin Wagener** Institut Mathématique de Jussieu  
*Linking Arithmetic and Geometry: a qualitative outlook*
- 16:30 – 17:30 *Coffee break*

## Date & Time Speaker

### Wednesday, September 26

- 10:30 – 11:10 **Aaron Levin** Michigan State University  
*Linear forms in logarithms and integral points on varieties*
- 11:20- 12:00 **Junjiro Noguchi** University of Tokyo  
*Intersections of entire curves and algebraic cycles on semi-abelian*

## Date & Time Speaker

### Thursday, September 27

- 10:30 - 11:00 **Zeev Rudnick** Tel Aviv University  
*Analytic aspects of function field arithmetic*
- 11:20 - 12:00 **Laura De Marco** University of Illinois at Chicago  
*Special curves and postcritically-finite polynomials*
- 15:00 – 15:30 **Jonathan Pila** University of Oxford  
*Some special point problems*
- 15:45 – 16:15 **Vincenzo Mantova**  
*Artin-Whaples approximations of bounded degree on algebraic varieties*
- 16:30 – 17:30 *Coffee break*

## Date & Time Speaker

### Friday, September 28

- 10:30 - 11:10 **Pietro Pirola** Università di Pavia  
*Osculation of curves and some arithmetic problems*
- 11:20 - 11:50 **Tim Browning** Bristol University  
*Rational points on conic bundle surfaces via additive combinatorics*