

Centre de recherches mathématiques
Université de Montréal

SCHOLAR - Une célébration scientifique soulignant
les lignes ouvertes de la recherche mathématique
en l'honneur de l'héritage mathématique du professeur M. Ram Murty
à l'occasion de son 60e anniversaire

Du 15 au 17 octobre 2013

*SCHOLAR - a Scientific Celebration Highlighting Open Lines of Arithmetic
Research in honour of Professor M. Ram Murty's mathematical legacy
on his 60th birthday
October 15-17, 2013*

HORAIRE / PROGRAM

Conférences : salle 6214 (Pavillon André-Aisenstadt)

Pauses-café : salon Maurice-L'Abbé (salle 6245, Pavillon André-Aisenstadt)

Lectures: Room 6214 (Pavillon André-Aisenstadt)

Coffee Breaks: Salon Maurice-L'Abbé (Room 6245, Pavillon André-Aisenstadt)

Le mardi 15 octobre 2013 / *Tuesday, October 15, 2013*

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- 08:30 - 09:00** Inscription (salle 5345) et café-croissants (salle 6245)
Registration (Room 5345) and Coffee & Croissants (Room 6245)
- 09:00 - 09:50** **Henri Darmon** (McGill University)
“From p -adic to Artin representations: a tale in three vignettes”
- 09:50 - 10:20** Pause-café / *Coffee break*
(Salle / *Room* 6245)
- 10:20 - 11:10** **John Friedlander** (University of Toronto)
“The spin of prime ideals”
- 11:10 - 12:00** **Dinakar Ramakrishnan** (California Institute of Technology)
“Non-vanishing of L -functions, and the finiteness of rational points on certain Pi -card modular surfaces”
- 12:00 - 14:30** Pause-déjeuner / *Lunch break*
- 14:30 - 15:20** **Ernst Kani** (Queen’s University)
“Tensor products of Galois representations”
- 15:20 - 16:10** **N. Saradha** (Tata Institute of Fundamental Research)
“Arithmetic nature of some infinite series and integrals”
- 16:10 - 16:40** Pause-café / *Coffee break*
(Salle / *Room* 6245)
- 16:40 - 17:30** **Dinesh S. Thakur** (University of Rochester)
“Higher congruences, derivatives, Bernoulli numbers and Euler constant”

Le mercredi 16 octobre 2013 / *Wednesday, October 16, 2013*

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- 08:30 - 09:00** Café croissants / *Coffee & Croissants*
(Salle / Room 6245)
- 09:00 - 09:50** **Dorian Goldfeld** (Columbia University)
“A converse theorem for double Dirichlet series”
- 09:50 - 10:20** Pause-café / *Coffee break*
(Salle / Room 6245)
- 10:20 - 11:10** **Henryk Iwaniec** (Rutgers University)
“Long mollifiers”
- 11:10 - 12:00** **Carl Pomerance** (Dartmouth College)
“Square values of Euler’s function”
- 12:00 - 14:30** Pause-déjeuner / *Lunch break*
- 14:30 - 15:20** **Yitang Zhang** (The University of New Hampshire)
“A new method applying to small gaps between primes”
(Salle / Room 1360)
- 15:20 - 15:50** Pause-café / *Coffee break*
(Salle / Room 6245)
- 15:50 - 16:40** **Joseph H. Silverman** (Brown University)
“Canonical heights for nef divisors on abelian varieties and an application to the arithmetic degree conjecture”
- 16:40 - 17:30** **V. Kumar Murty** (University of Toronto)
“Euler-Kronecker constants and Kummer’s conjecture”
- 17:30** Réception & banquet (6245) / *Reception & Banquet (6245)*

Le jeudi 17 octobre 2013 / *Thursday, October 17, 2013*

08:30 - 09:00 Café croissants / *Coffee & Croissants*
(Salle / Room 6245)

09:00 - 09:50 **Cameron L. Stewart** (University of Waterloo)
“On a question of Wintner”

09:50 - 10:20 Pause-café / *Coffee break*
(Salle / Room 6245)

10:20 - 11:10 **Yiannis Petridis** (University College London)
“On the hyperbolic lattice point problem”

11:10 - 12:00 **Michael I. Rosen** (Brown University)
“Polynomials mod p and the theory of Galois sets”

12:00 - 14:30 Pause-déjeuner / *Lunch break*

14:30 - 15:20 **Wen-Ching Winnie Li** (The Pennsylvania State University)
“Open problems on the arithmetic of noncongruence modular forms”

15:20 - 16:10 **Étienne Fouvry** (Université de Paris-Sud)
“Gaussian distribution and Fourier coefficients of cusp forms in arithmetic progressions”

16:10 Café / *Coffee*
(Salle / Room 6245)