

STNB 2016

SEMINARI DE TEORIA DE NOMBRES DE BARCELONA
BARCELONA NUMBER THEORY SEMINAR (UB-UAB-UPC)



BARCELONA SPRING 2016 WORKSHOP ON NUMBER THEORY AND K-THEORY

20-22 April 2016, Centre de Recerca Matemàtica (CRM), Bellaterra

Organized by STNB in collaboration with Barcelona Algebraic Topology Group

Wednesday, April 20 (morning: room A1, afternoon: room A2, CRM)

- 10:00-11:00 ANDREW TONKS
The 1-type of Waldhausen K -theory as an abelian 2-group
- 11:15-12:15 ABDÓ ROIG-MARANGES
Motivic homology and spaces of algebraic cycles
- 12:30-13:30 SATOSHI KONDO
Introduction to motivic cohomology and algebraic K -theory
- 15:00-16:00 BRUNO ANGLÈS
On Anderson's "cyclotomic units" and special L -values (I)
- 16:15-17:15 SANTIAGO MOLINA
Cohomology of arithmetic groups attached to automorphic forms
- 17:30-18:30 PIERMARCO MILIONE
 p -adic uniformization of Shimura curves through Mumford curves

Thursday, April 21 (morning: Auditori, afternoon: room A2, CRM)

- 9:15-9:45 JOACHIM KOCK
From zeta functions to Waldhausen's S -construction
- 10:00-11:00 SATOSHI KONDO
Motivic cohomology of curves and varieties over a finite field (I)
- 11:15-12:15 Invited talk Ferran Sunyer Prize 2016: ALEXIS VIRELIZIER
3-dimensional topological quantum field theories
- 15:00-16:00 BRUNO ANGLÈS
On Anderson's "cyclotomic units" and special L -values (II)
- 16:15-17:15 SANTIAGO MOLINA
 p -adic L -functions
- 17:30-18:30 DANIELE CASAZZA
Stark points and Hida-Rankin p -adic L -functions

Friday, April 22 (room A2, CRM)

- 10:00-11:00 SATOSHI KONDO
Motivic cohomology of curves and varieties over a finite field (II)
- 11:15-12:15 BRUNO ANGLÈS
On Anderson's "cyclotomic units" and special L -values (III)
- 12:30-13:30 SANTIAGO MOLINA
Stark-Heegner points on modular abelian varieties