

STNB 2019

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



SEMINARI DE TEORIA DE NOMBRES DE BARCELONA

33a edició, 21-25 de gener de 2019

Facultat de Matemàtiques, Universitat de Barcelona, Aula B3

Dilluns, 21 de gener

- 10:20-10:25 Benvinguda
10:30-11:30 Introduction and overview, SANTIAGO MOLINA
12:00-12:50 Arrels primitives: fets i qüestions, ARTUR TRAVESA

15:00-15:50 Non-crystalline generalized Kato classes and the values of the triple-product p -adic L -function at classical points, FRANCESCA GATTI
16:00-16:50 Iwasawa theory and Euler systems: the case of diagonal cycles, ÓSCAR RIVERO
17:00-17:20 On the level raising of cuspidal eigenforms modulo prime powers, EMILIANO TORTI

Dimarts, 22 de gener

- 10:30-11:30 The derived Hecke algebra and the main conjecture of Venkatesh, CARLOS DE VERA
12:00-13:00 Punts racionals de corbes I: The Mordell-Weil Sieve, FRANCESC BARS

15:00-15:50 An algorithm for producing differential operators in prime characteristic, ALBERTO FERNÁNDEZ
16:00-16:20 Modular invariants for genus 3 hyperelliptic curves, ELISA LORENZO
16:30-16:50 Serre's constant of elliptic curves over the rationals, ENRIQUE GONZÁLEZ-JIMÉNEZ
17:00-17:20 Invariants of algebraic elements over henselian fields, NATHÁLIA MORAES DE OLIVEIRA

Dimecres, 23 de gener

- 10:30-11:30 Derived Hecke operators and weight one modular forms, XAVIER GUITART
12:00-13:00 Punts racionals de corbes II: Variations on the method of Coleman-Chabauty, MARC MASDEU

15:00-15:50 Pullbacks of Siegel forms and algebraicity of L -values (with a view to p -adic L -functions), CARLOS DE VERA
16:00-16:50 Integral Hopf Galois structures of degree $2p$ dihedral extensions, DANIEL GIL
17:00-17:20 A comparative study in an elementary proof of the Prime Number Theorem in Arithmetic Progressions, JOSÉ GRANADOS

Dijous, 24 de gener

- 10:30-11:30 A Gross-Zagier trace formula for product of theta series, ÓSCAR RIVERO
12:00-13:00 Punts racionals de corbes III: Chabauty Quadràtic, XAVIER XARLES

15:00-15:50 On the failure of Gorensteinness at weight 1 Eisenstein points of the eigencurve, ADEL BETINA
16:00-16:50 On the asymptotic Fermat Last Theorem, NUNO FREITAS
17:00-17:20 Fermat-type Diophantine equations, EDUARD SOTO

Divendres, 25 de gener

- 10:30-11:30 Proof of Venkatesh's conjecture for dihedral weight one forms, VÍCTOR ROTGER
12:00-13:00 The Chabauty-Kim method for some modular curves, NETAN DOGRA
13:10-13:30 Cloenda i STNB2020

13:45 Dinar del STNB2019

Amb suport parcial de l'IMUB

Més informació a <http://stnb.cat>

Contacte: stnbarcelona@gmail.com