

Arithmetic and geometry of local and global fields
Tuan Chau, 25-29 June 2018

24 June (Sun) Arrival

25 June (Mon)

- 9:00-9:15 Welcome
- 9:15-10:15 Jing Yu: On Special Values of Arithmetic Drinfeld Modular Form
- 10:30-11:30 Chia-Fu Yu: Arithmetic Satake compactifications and Algebraic Drinfeld Modular Forms
- 14:00-15:00 Federico Pellarin: On Drinfeld vector valued modular forms.
- 15:15-16:15 Shin Hattori: Duality of Drinfeld modules and P-adic properties of Drinfeld modular forms
- 16:30-17:30 Satoshi Kondo: Regularity of some quotients of Drinfeld modular schemes, using Dickson's theorem.

26 June (Tue)

- 8:30-9:30 Keisuke Arai: Points on Shimura curves rational over the imaginary quadratic fields in the non-split case
- 9:45-10:45 Pascal Boyer: Automorphic congruences associated to torsion cohomology classes of some Shimura varieties
- 11:00-12:00 Yoichi Mieda: Cohomology of affinoid perfectoid spaces and their reductions
- 14:00-15:00 Daniel Caro: Arithmetic D-modules over Laurent series fields
- 15:15-16:15 Tomoyuki Abe: Nearby cycles formalism in arithmetic D-modules
- 16:30-17:30 Nobuo Tsuzuki: On variation of Newton polygons of F-isocrystals and its application

27 June (Wed) Trip to Halong Bay

28 June (Thu)

- 9:15-10:15 Chieh-Yu Chang: Periods, logarithms and multiple zeta values.
- 10:30-11:30 Florian Breuer : Heights and Isogenies of Drinfeld modules.
- 14:00-15:00 Fabien Trihan: On the equivariant Tamagawa Number conjecture for abelian varieties over function fields of positive characteristic
- 15:15-16:15 L. Taelman: Shtukas and special values of Goss L-functions, after Maxim Mornev
- 16:30-17:30 Thong Nguyen Quang Do: On genus formulas and Greenberg's conjecture.

29 June (Fri)

- 8:30-9:30 L. Di Vizio: TBA
- 9:45-10:45 Ignazio Longhi: Stark-Heegner points and Shimura reciprocity in the function field setting
- 11:00-12:00 Floric Tavares-Ribeiro: On the Bernoulli-Carlitz numbers and the exceptional zeros of certain L-series
- 14:00 Departure