

CURRICULUM VITAE - VIRGILE DUCET

Date of birth: 1 December 1986 in Sainte-Adresse (France).

Citizenship: French.

Family situation: single with no children.

Professional status: Post doc.

Address:

Sabancı University

Faculty of Engineering and Natural Sciences

34956 Istanbul - Turkey

e-mail: virgile.ducet@gmail.com

web page: <http://ducet.perso.math.cnrs.fr/>

Education:

2008: M1 in mathematics at the University of Le Havre.

2008-2009: Master "Mathématiques et Applications" 2ème année filière recherche "Maths avancées" (ENS Lyon/Université Lyon 1).

Master thesis: *The Arithmetic of CM Elliptic Curves.*

2009-2013 : PhD thesis under the direction of David Kohel (Institut de Mathématiques de Luminy).

Title: *Construction of Algebraic Curves with Many Rational Points over Finite Fields.*

Research:

INTERESTS

Class field theory, number of points of curves over finite fields, recursive towers, Drinfel'd modular curves, Shimura curves, coding theory, cryptography.

PUBLICATIONS

- [1] V. Ducet, C. Fieker, *Computing Equations of Curves with Many Points*, Algorithmic Number Theory Symposium 2012.
- [2] V. Ducet, *Number of Rational Points of Shimura Curves over Finite Fields* (preprint)

SELECTED TALKS

- ANTS X (San Diego, 2012), *Computing Equations of Curves with Many Points*.
- Journées Codage et Cryptographie 2012 (Dinard), *Calculer les équations de courbes avec beaucoup de points*.
- AGCT 2013 (Luminy), *Number of Rational Points of Shimura Curves over Finite Fields*.

Grants:

- Internship under the supervision of Henri Darmon and John Voight, supported by the FQRNT, January - May 2013 (Mc Gill University, Montreal, Canada).
- Postdoc position under the supervision of Alp Bassa, supported by TUBITAK, November 2013 - October 2014 (Sabancı University, Istanbul, Turkey).

Administration:

Co-organizer (with Christophe Ritzenthaler) of the working group of the 'ATI' team (2010-2011).

Miscellaneous:

LANGUAGES

French (native language), English, German and Russian (notions).

HOBBIES

Guitare, sport (trekking, skiing), reading (mangas, Game of Thrones), Chinese tea.