

Personal information

Surname / First name	Courtiel Julien
Telephone	(+1) 604 368 0666
Email	jcourtie@sfu.ca
Nationality	French
Date of birth	April 23, 1988
Current Status	PIMS/SFU postdoctoral fellow
Affiliation	Simon Fraser University (Vancouver, Canada)

Academic education

2011-2014	PhD under the supervision of Mireille Bousquet-Mélou at LaBRI (Bordeaux). <i>Title</i> : Combinatorics of the Tutte polynomial and planar maps. Defended October 3, mention très honorable.
2010-2011	Master student in theoretical computer science within MPRI (<i>Master Parisien de Recherche en Informatique</i>). Mention très bien (equivalent to Master with first class Honors).
2009-2010	Agrégation externe in mathematics (option computer science).
2008-2009	Master 1 in mathematics, mention très bien.
2007-2008	Licence of mathematics, mention très bien.
2007-2011	Studies at École Normale Supérieure Cachan Antenne de Bretagne (Rennes).

Publications

2015	<i>Spanning forests in regular planar maps</i> , with MIREILLE BOUSQUET-MÉLOU (ArXiv : 1306.4536), to appear in <i>J. Combin. Theory Ser. A</i> .
2013	<i>Spanning forests in regular planar maps</i> , with MIREILLE BOUSQUET-MÉLOU, Formal Power Series and Algebraic Combinatorics (FPSAC) Conference 2013, Paris (France), DMTCS proceedings, 273-284.
2012	<i>Gerechte designs with rectangular regions</i> , with E. R. VAUGHAN, <i>Journal of Combinatorial Designs</i> 20 : 112-123.
Submitted	<i>A unified definition of activity for the Tutte polynomial</i> .
In preparation	<i>Spanning forests in general Eulerian planar maps</i> .

Public talks

Conferences

- June 2015 CanaDAM (Saskatoon), invited.
- March 2015 Southeastern International Conference on Combinatorics, Graph Theory, and Computing (Boca Raton), invited.
- March 2014 *The Tutte polynomial and planar maps*, Mathematisches Forschungsinstitut Oberwolfach, invited.
- February 2014 *Un cadre général pour l'activité et le polynôme de Tutte*, Journées Combinatoires de Bordeaux, invited.
- June 2013 *Spanning forests in regular planar maps*, FPSAC (Paris), selection rate : 15%.
- August 2012 *Cartes planaires munies d'une forêt couvrante*, Journées Modélisation Aléatoire et Statistique (Clermont-Ferrand), invited.
- May 2012 *Cartes planaires munies d'une forêt couvrante - Le cas régulier*, Journées "Cartes aléatoires" (Université Paris-Sud Orsay).
- March 2012 *Cartes planaires munies d'une forêt couvrante*, ALÉA (Luminy).

Seminars

- November 2014 Discrete Maths seminar (Simon Fraser University).
- September 2014 Probability and ergodic theory seminar (Tours).
- December 2013 Number theory and Combinatorics seminar (Lyon).
- October 2013 AIGCo seminar (Montpellier).
- Enumerative and algebraic combinatorics seminar (Bordeaux) :
- May 2013 *Une définition unifiée de l'activité pour le polynôme de Tutte*,
- December 2012 *Arbres et cartes munis de forêt couvrante*,
- October 2011 *Structure des cartes non orientables à une face*.

Internships

- March-July 2011 Master internship about enumeration of non orientable maps at LIAFA (Paris), with Guillaume Chapuy.
- Summer 2009 Research internship about gerechte designs at Queen Mary, University of London, with Peter Cameron and Emil Vaughan.
- Spring 2009 Research work about interval exchange transformation with Anton Zorich.
- February-April 2009 Teacher training at Lycée Chateaubriand (Rennes).
- June 2008 Research internship about error-correcting codes with Jean-Marc Couveignes (Toulouse 3).

Competences

Research interests	Enumerative combinatorics, graph theory.
Programming languages	CamL, C++, Python.
Softwares	Maple, Matlab, Scilab. HTML, \LaTeX .
English	Spoken, read and written. TOEIC with 925 points.

Other notable facts

Referee for *Journal of Combinatorial Theory, Series A*.
Member of the Organizing Committee for FPSAC 2016 in Vancouver.