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Curriculum Vitae

Civil status

Charles Bordenave

Born on July, 13th 1977 in France.

Married, one daughter.

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Professionnal Experience

April-June 2019 – University of Kyoto. JSPS invited professor.

Since July 2018 – Aix-Marseille University, Marseille, France. CNRS Researcher at Institut de Mathématiques de Marseille.

May 2017 - May 2018 – IMPA, Instituto de Matemática Pura e Aplicada, Rio de Janeiro Brazil. CNRS researcher.

October 2011 - November 2012 – University Roma Tre, Italie. Long term visitor.

December 2007 - April 2017 and May 2018 - June 2018 – University of Toulouse, CNRS researcher at Institut de Mathématiques de Toulouse.

November 2006 - October 2007 – University of California, Berkeley, United States. Post-doctor at the Department of Statistics and the Department of Electrical Engineering and Computer Science (EECS) under the supervision of David Aldous and Venkatesh Anantharam.

Education

November 2012 – University of Toulouse. "Habilitation à diriger des recherches".

September 2003 - September 2006 – École Normale Supérieure, Paris. PhD thesis under the supervision of François Baccelli. Laureate of the 2007 thesis prize of Ecole Polytechnique.

September 2001 - June 2003 – Télécom Paristech, Paris. State engineer.

September 2001 - June 2002 – Master in Applied Mathematics. École Normale Supérieure de Cachan, Cachan.

September 1998 - June 2001 – École Polytechnique, Palaiseau.

Publications

More than 45 published or accepted articles in international peer-reviewed journals, 5 conference proceedings and 3 book chapters. See detailed publication list.

Conférences

Since January 2006, invited speaker in more than 50 international conferences and in more than 50 weekly seminars, including:

Plenary speaker *IMS Medallion Lecture in INFORMS-APS*, Brisbane 2019.

Plenary speaker at *39th Conference on Stochastic Processes and their Applications (SPA)*, Moscow 2017.

Plenary speaker *French meeting in probability and statistics (MAS)*, Grenoble 2016.

Colloquium at *Simons Collaboration on Algorithms and Geometry*, New York 2015.

Colloquium at *University of Bielefeld*, Bielefeld 2015.

Teaching

Seasonal research schools: *North East Normal University*, Changchun (2011), *AGH University of Science and Technology*, Krakow (2013), *Rényi Institute*, Budapest (2014), *Indian Institute of Science*, Bangalore (2014, 2019), *Swiss Doctoral School*, Ovronnaz (2014) *Institute Henri Poincaré*, Paris (2014), *Rescom 2014*, Bastia (2014), *CIRM-Luminy*, Marseille (2015), *Institut Scientifique Cargèse*, Cargèse (2015), *Santa Fe Institute*, Santa Fe

(2015), *University of Michigan*, Ann Arbor (2016), *IHES*, Bures-sur-Yvette (2017), *Indian Institute of Science*, Bangalore (2019).

Master and PhD courses: *University Roma Tre* (2012), *CNR Roma* (2012), *Université Paul Sabatier* (2009-2013), *University of Buenos Aires* (2016), *Instituto de Matemática Pura e Aplicada* (2018).

Graduate and short courses: *École Normale Supérieure*, Paris (2003-2005) (TA) and (2012-2013), *University La Havana*, Cuba (2010), *ISAE-SUPAERO*, Toulouse (2016), *École Normale Supérieure*, Paris (2013-2014)

Supervision

PhD Students, Fanny Augeri (2014-2017) and Simon Coste (2016-2019). Six 3-months research internships (since 2010).

Editorial activities and academic responsibilities

Since January 2018, associate editor at **Annals of Probability**. Since January 2016, associate editor at **Annals of Applied Probability** and **Bernoulli**. Around 10 referee's reports per year for other journals.

Past member of **selection committee** for 14 tenured academic positions "Maître de Conférence" or "Chargé de Recherche" (2009-2015) for French universities.

Member of six **PhD thesis committees** (three as main referee).

Redaction of **reports** for grant panels including for the ERC (European union), DFC (Germany), ANR (France).

Co-organizer of conferences *F. Baccelli 60th birthday conference*, IHP, Paris 2015, *Spectrum of random graphs*, CIRM, Marseille, 2016 and *Spectra, Algorithms and Random Walks on Random Networks*, CIRM, Marseille 2020. **Session Organizer** for *SPA* Buenos Aires 2014 and *Journées MAS* Bordeaux 2010. Organiser of *Toulouse probability seminar* (2008-2011) and *Marseille probability seminar* (2018-present). Member of **program committee** of *7th and 8th Spatial Stochastic Models for Wireless Networks* (Princeton 2011, Paderborn 2012), *Modèles et Analyse des Réseaux* (Toulouse 2010) and *Japan-French Frontiers of Science* (Paris 2012).

Rewards and grants

IMS Medallion Lecturer (2019).

First Prize Marc Yor (2017).

CNRS Excellence (2009-2013) and (2017-2021).

PhD Prize of École Polytechnique (2007).

EU Lavoisier Grant (2007).

French ANR grants ANR-14-CE25-0014 (2014-2018), ANR-08-BLAN-0190 (2008-2012), ANR-11-JS02-005-01 (2012-2016), **principal investigator ANR-16-CE40-0024-01 (2017-2021)**.

Languages

French: native ; *English*: fluent ; *Portuguese, Italian*: intermediate ; *German*: beginner.