
Contact information

CERMICS - ENPC
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Curriculum

Since 2015: École des Ponts ParisTech

Maître de Conférences at École des Ponts ParisTech.

Researcher within the Applied Probability team at CERMICS.

Habilitation thesis expected in Sept. 2021.

2014-2015: ENS Lyon

CNRS Postdoc Fellow at Laboratoire de Physique.

Member of the Climate and Statistical Mechanics group.

2011-2014: École des Ponts ParisTech and Université Pierre et Marie Curie

PhD student at CERMICS and LPMA.

Title of the thesis: *Long time and large scale behaviour of a few collisional dynamics*, defended in Nov. 2014.

Current teaching activity

École des Ponts ParisTech

Statistiques et Analyse des Données (Graduate Level, in charge of the course).

Academic advisor for several research projects or internships (Undergraduate and Graduate Level).

Mines ParisTech

Processus Stochastiques (Graduate Level, in charge of the course with F. Prêteux).

Processus Stochastiques Avancés (Graduate Level, in charge of the course).

Sorbonne Université

Méthodes Numériques Probabilistes (Graduate Level, in charge of the course with T. Lelièvre).

⇒ Past teaching activity [here](#).

Research activity

⇒ List of publications [here](#), list of invited talks [here](#).

Distinction

Prix de thèse Jacques Neveu awarded by SMAI in 2015.

Research Interests

Long time behaviour of stochastic processes: convergence to equilibrium, metastability.

Interacting particle systems and particle methods for nonlinear PDEs.

Equilibrium and nonequilibrium statistical mechanics, large deviations, rare events.

Applications of probability theory and analysis to physics, economics and operations research.

Statistics, uncertainty quantification and industrial applications.

PhD Students

Since 2020: A. Libal, with F. Legoll at Laboratoire Navier (collaboration with OSMOS group).

2017-2021: A. Touboul, with B. Lapeyre at CERMICS (collaboration with IRT SystemX).

2017-2020: M. Ramil, with T. Lelièvre at CERMICS.

2016-2019: S. Martel, with S. Boyaval at LHSV.