

Yichao Huang

PhD student in Mathematics

Personal Informations

Date of Birth April 3, 1991
Work Adresse Bureau V6, DMA-ENS, 45 rue d'Ulm, 75005 Paris
Email Adresse yichao.huang@ens.fr
Personal Site yichao.github.io

Education

2014 – 2017	PhD student at University Paris VI and DMA of ENS Paris. PhD thesis in probability on Gaussian Multiplicative Chaos and Liouville Quantum Gravity. Expected to defend in 2017. Supervisors : Rémi Rhodes and Vincent Vargas .
2010 – 2014	Élève normalien at École Normale Supérieure de Paris. FIMFA program at ENS Paris. Undergraduate thesis on “Le problème de Noether pour les groupes abéliens”, with Diego Izquierdo under the supervision of Olivier Wittenberg. ENS Paris Diploma. Master “Probabilités et modèles aléatoires” at University Paris VI, mention “Très Bien”. Master thesis on critical Gaussian Multiplicative Chaos under the supervision of Rémi Rhodes and Vincent Vargas.
2008 – 2010	Classes préparatoires MPSI–MP*, Lycée Janson de Sailly. Admission to École Normale Supérieure de Paris through national entrance exam.

Publications et preprints

- [2] **Two perspectives of the 2D unit area quantum sphere and their equivalence**
arXiv:1512.06190, **submitted**, with Juhan Aru and Xin Sun
- [1] **Liouville Quantum Gravity on the unit disk**
arXiv:1502.04343, **submitted**, with Rémi Rhodes and Vincent Vargas

Research visit

- 2015 | **Isaac Newton Institute**
“Random geometry” program, 2 weeks

Talks

- 2016 | Conference “Les Probabilités de Demain”, **IHES**
Conference of Probability/Statistics team of ENS Paris, **DMA-ENS**
Colloquium “Jeunes Probabilistes et Statisticiens”, **Les Houches**
PhD/Postdoc seminar of ENS Paris, **DMA-ENS**
- 2015 | PhD/Postdoc seminar of University Paris XII, **UPEC**
- 2013 | Conference “Des probas de la rue d’Ulm”, **DMA-ENS**

Conferences attended

- 2017 | Fractal geometry and dynamics, **Institut Mittag-Leffler**
Inhomogeneous Random Systems, **IHP**
- 2015 | Disordered systems, random spatial processes and some applications, **IHP**
Random geometry, **Issac Newton Institute**
- 2014 | School and Workshop on Random Interacting Systems, **Bath**
École de probabilité, **Saint-Flour**

Teaching

2016/2017	TA, undergraduate level Arithmetic and Cryptography (Computer Science) – 18h/year
2013/2014	TA, undergraduate level Analysis and Algebra for Scientific Studies (Maths) – 54h/year Oscillatory Reactions (Chemistry) – 20h/year Arithmetic and Cryptography (Computer Science) – 18h/year
2013/2014	TA, undergraduate level Sequences, Integrals and Linear Algebra (Maths) – 54h/year Oscillatory Reactions (Chemistry) – 20h/year
2011/2012	Oral examiner in classes préparatoires Lycée Janson de Sailly, Paris – 2h/week
2010/2011	Tutor of six high school students TalENS association: scientific vulgarisation for high school students – 3h/week

Administrative activities

2013 –	Nominated member of the advisory committee of the laboratory DMA, ENS Paris
--------	---

Languages

French	Fluent
English	Fluent
Chinese	Native

Personal activities

<i>Piano</i>	<p>Student of Éric Vidonne Hector Berlioz conservatory in Paris.</p> <p>Laureate of Concours international des amateurs de piano à l’X 2015 Edition : first prize, audience award. Interpreted piano concerto K.450 de Mozart with an orchestra.</p> <p>(Co-)organiser of club Trouvères (Co-)organiser of the classical music club of the ENS since 2013 : organisation of student concerts once a month.</p> <p>Invitation of international pianist Organisation of a free concert proposed by Valentina Lisitsa at the ENS.</p>
<i>Sports</i>	<p>Member of basketball team at the ENS; member of volleyball team at the ENS; organisation of several volleyball tournaments in Paris (TRU).</p>