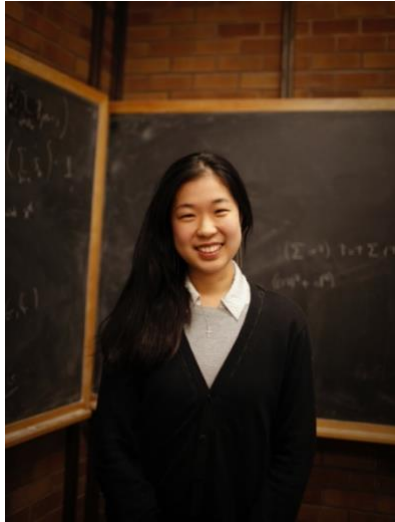


Press release - Thursday, May 12, 2021

Yilin Wang, first junior professor at the
Institut des Hautes Études Scientifiques

Yilin Wang will join the *Institut des Hautes Études Scientifiques* (IHES) as a junior professor of mathematics in June 2022.



The young mathematician becomes the first holder of a prestigious position of junior professor at the IHES, funded by the Simons Foundation and given to researchers at the beginning of their career, who have distinguished themselves by their remarkable talent in the discipline.

Born in 1991 in China, Yilin Wang moved to France for her graduate studies. After entering the *École normale supérieure* of Paris, she obtained a Master of Science in Probability and Statistics from Université Paris-Saclay. After graduating in 2019 with a PhD from the *Eidgenössische Technische Hochschule* (ETH) of Zurich, under the supervision of Wendelin Werner (Fields Medal 2006), Yilin Wang obtained the position of C.L.E. Moore Instructor at the Massachusetts Institute of Technology (MIT). She then became a Strauch Postdoctoral fellow at the Mathematical Sciences Research

Institute of Berkeley (MSRI) in California.

Yilin Wang is currently working on topics at the interface of Complex analysis and Probability theory. Her current research focuses on themes that aim at enlightening the connections among Random conformal geometry, Geometric function theory, and Teichmüller theory.

In 2022, she received the Maryam Mirzakhani New Frontiers Prize for innovative and far-reaching work on the Loewner energy of planar curves. *"I spend most of my time playing with Loewner energy, Schramm-Loewner evolutions, Gaussian free field, Weil-Petersson Teichmüller space, determinants of Laplacians, Brownian loop measure, hyperbolic spaces, etc"* says Yilin Wang.

IHES Director Emmanuel Ullmo comments: *"We are proud to welcome such a talented mathematician to this new junior faculty position, which we have just created at IHES. Her remarkable research on the probabilistic and analytic aspects of Loewner energy, for which she has already been awarded several prizes, testifies to the excellence of this young scientist's work."*

The mathematician is also delighted with this opportunity: *"Joining the IHES will allow me to benefit from an extremely favorable professional environment, both to advance my current research work and to establish new collaborations. With this new position, I am convinced that I will have the best conditions to develop new approaches to a number of problems."*

[Institut des Hautes Études Scientifiques \(IHES\)](#)

IHES is a private research center dedicated to mathematics, theoretical physics and all related disciplines. The Institute has a restricted number of permanent professors in mathematics and theoretical physics. Each year, it welcomes around 200 visitors from all over the world for research visits. Freedom of research, independence and interdisciplinarity are the values of IHES, which is also committed to promoting the diversity of talent in fundamental research.

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L'IHES, membre fondateur de

université
PARIS-SACLAY

[About Université Paris-Saclay](#)

Université Paris-Saclay brings together ten constituent faculties and institutes, four Grandes Écoles, the Institut des Hautes Etudes Scientifiques, two associate institutions and shared laboratories with national research organisations.

With 48,000 students, 8,100 lecturers and 8,500 administrative and technical staff members, Université Paris-Saclay offers a comprehensive and varied range of undergraduate to doctorate level programmes and engineering degrees, renowned for their quality thanks to the reputation and commitment of the University's academic staff. Located in the south of Paris on vast sites that stretch across Paris, Orsay, Évry and Versailles, Université Paris-Saclay benefits from a strategic geographical and socio-economic position that is strengthened by its international visibility. A leading University, Université Paris-Saclay is recognised for its excellent Mathematics and Physics programmes but also for Biological and Medical Sciences, Agriculture, Engineering, and its extensive Humanities and Social Sciences courses. Close to Paris, Université Paris-Saclay is nested in a protected natural area, at the very heart of a dynamic economic hub.