

# Conformal Field Theories: Randomness and Geometry

Minicourse & Research Talks

(20–29 May 2026)



## ORGANIZING COMMITTEE

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## Venue

IMS Executive Seminar Room

Bock S17, Level 3

10 Lower Kent Ridge Rd Singapore 119076

For more information: [https://ims.nus.edu.sg/events/statistics\\_singularspdes](https://ims.nus.edu.sg/events/statistics_singularspdes)

## Minicourse & Research Talks

(20–29 May 2026)

### Wednesday, 20 May 2026

Time	Title	Speaker
1615–1700	Collapsing Behavior of Two-dimensional Coulomb Gases	Ludvig Svensson <i>Chalmers University, Sweden</i>
1700–1745	Bombieri-type Inequalities and Equidistribution of Points	Haakan Hedenmalm <i>Royal Institute of Technology, Sweden</i>

### Thursday, 21 May 2026

Time	Title	Speaker
0915–0930	Registration	
0930–1030	Fractional Quantization: the Laughlin State and its Perturbations (Part 1)	Nicolas Rougerie <i>Ecole Normale Supérieure de Lyon, France</i>
1030–1130	Quantum Hall States at the Interface of Geometry, Probability and Physics (Part 1)	Semyon Klevtsov <i>Université de Strasbourg, France</i>
1130–1330	<i>Lunch Break</i>	
1330–1430	Fractional Quantization: the Laughlin State and its Perturbations (Part 2)	Nicolas Rougerie <i>Ecole Normale Supérieure de Lyon, France</i>
1430–1530	Quantum Hall States at the Interface of Geometry, Probability and Physics (Part 2)	Semyon Klevtsov <i>Université de Strasbourg, France</i>
1530–1600	<i>Coffee Break</i>	
1600–1645	Liouville Quantum Gravity: from Random Planar Maps to Conformal Field Theory	Xin Sun <i>BICMR, China</i>
1645–1730	Temperature Chaos for Polymers	Victor Ginsburg <i>UC Berkeley, USA</i>

### Friday, 22 May 2026

Time	Title	Speaker
0915–0930	Registration	
0930–1030	Fractional Quantization: the Laughlin State and its Perturbations (Part 3)	Nicolas Rougerie <i>Ecole Normale Supérieure de Lyon, France</i>

Friday, 22 May 2026		
Time	Title	Speaker
1030–1130	Quantum Hall States at the Interface of Geometry, Probability and Physics (Part 3)	Semyon Klevtsov <i>Université de Strasbourg, France</i>
1130–1330	<i>Lunch Break</i>	
1330–1430	Fractional Quantization: the Laughlin State and its Perturbations (Part 4)	Nicolas Rougerie <i>Ecole Normale Supérieure de Lyon, France</i>
1430–1530	Quantum Hall States at the Interface of Geometry, Probability and Physics (Part 4)	Semyon Klevtsov <i>Université de Strasbourg, France</i>
1530–1600	<i>Coffee Break</i>	
1600–1645	Stochastic Log-gases and Multiple Schramm--Loewner Evolutions	Makoto Katori <i>Chuo University, Japan</i>

Monday, 25 May 2026		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Probabilistic approach to Liouville Conformal Field Theory (Part 1)	Remi Rhodes <i>Aix-Marseille Université, France</i>
1030–1130	Height Functions in 2-dimensional Yang-Mills Theory (Part 1)	Thierry Lévy <i>Sorbonne Université, France</i>
1130–1330	<i>Lunch Break</i>	
1330–1430	Probabilistic approach to Liouville Conformal Field Theory (Part 2)	Remi Rhodes <i>Aix-Marseille Université, France</i>
1430–1530	Height Functions in 2-dimensional Yang-Mills Theory (Part 2)	Thierry Lévy <i>Sorbonne Université, France</i>
1530–1600	<i>Coffee Break</i>	
1600–1645	Local Fields in Lattice Models and Conformal Field Theories	Kalle Kytölä <i>Aalto University, Finland</i>
1645–1730	Toda Theories and W-algebras	Baptiste Cerclé <i>CNRS-Sorbonne University, France</i>

Tuesday, 26 May 2026		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Probabilistic approach to Liouville Conformal Field Theory (Part 3)	Remi Rhodes <i>Aix-Marseille Université, France</i>
1030–1130	Height Functions in 2-dimensional Yang-Mills Theory (Part 3)	Thierry Lévy <i>Sorbonne Université, France</i>

Tuesday, 26 May 2026		
Time	Title	Speaker
1130–1330	<i>Group Photo &amp; Lunch Break</i>	
1330–1430	Probabilistic approach to Liouville Conformal Field Theory (Part 4)	Remi Rhodes <i>Aix-Marseille Université, France</i>
1430–1530	Height Functions in 2-dimensional Yang-Mills Theory (Part 4)	Thierry Lévy <i>Sorbonne Université, France</i>
1530–1600	<i>Coffee Break</i>	
1600–1645	Random Jordan Curves: Overview and Recent Progress	Guillaume Baverez <i>Peking University, China</i>
1645–1730	Liouville CFT and the Quantum Zipper	Morris Ang <i>UC San Diego, USA</i>

Thursday, 28 May 2026		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Conformal Blocks and Modular Functor from Probability (Part 1)	Colin Guillarmou <i>Université Paris Saclay, France</i>
1030–1130	Amplituhedra: A new geometric framework for (certain) QFTs (Part 1)	Ranjacob Tessler <i>Weizmann institute, Israel</i>
1130–1330	<i>Lunch Break</i>	
1330–1430	Conformal Blocks and Modular Functor from Probability (Part 2)	Colin Guillarmou <i>Université Paris Saclay, France</i>
1430–1530	Amplituhedra: A new geometric framework for (certain) QFTs (Part 2)	Ranjacob Tessler <i>Weizmann institute, Israel</i>
1530–1600	<i>Coffee Break</i>	
1600–1645	Scaling Limits of Critical FK(4)-decorated Maps	Mo Dick Wong <i>University of Hong Kong, Hong Kong SAR</i>
1645–1730	Mean Value Inequalities for the Coulomb Gas	Eric Thoma <i>Stanford University, USA</i>

Friday, 29 May 2026		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Conformal Blocks and Modular Functor from Probability (Part 3)	Colin Guillarmou <i>Université Paris Saclay, France</i>
1030–1130	Amplituhedra: A new geometric framework for (certain) QFTs (Part 3)	Ranjacob Tessler <i>Weizmann institute, Israel</i>

**Friday, 29 May 2026**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
1130–1330	<i>Lunch Break</i>	
1330–1430	Conformal Blocks and Modular Functor from Probability (Part 4)	Colin Guillarmou <i>Université Paris Saclay, France</i>
1430–1530	Amplituhedra: A new geometric framework for (certain) QFTs (Part 4)	Ranjacob Tessler <i>Weizmann institute, Israel</i>
1530–1545	<i>Coffee Break</i>	
1545–1630	Correlation Decay in Area-Tilted Line Ensembles	Vilas Sreenivasan Winstein <i>UC Berkeley, USA</i>