

Plancherel lecture 2026

Monday November 9th, 2026, 17:30
Reception-apéro starts at 16:45
University of Fribourg, Pérolles, PER 21, Room A140

Sylvia Serfaty

Sorbonne Université & Courant Institute



Systems with Coulomb interactions

We are interested in the statistical mechanics and dynamics of large systems of interacting Coulomb or Riesz particles. This is motivated by vortices, quantum and statistical mechanical models, approximation issues, and random matrix models. The mean-field behavior of these systems will be discussed, as well as their microscopic behavior as a function of temperature, which leads in particular to questions of crystallization.

The Plancherel lecture takes place every two years since 2005 at the University of Fribourg; it is a joint colloquium with the University of Bern, who organizes the Schläfli Lectures.

The lecture is named after Michel Plancherel, who was a member of the mathematics department of the University of Fribourg between 1911 and 1920. Every two years a renowned mathematician is invited to give a presentation directed to students and researchers alike. It is an opportunity for mathematicians from Bern and Fribourg to meet and to discover together new research directions in mathematics.

There will be a **dinner** after the lecture. All are welcome.
Please **register** for before November 2nd by e-mail at isabella.schmutz@unifr.ch.

For any **additional information** please e-mail ioan.manolescu@unifr.ch
More information available [here](#).