

Seminar Working Group Nonlinear Partial Differential Equations

Summer Semester 2025

23.04.25 - [Joseph Adams](#) (PhD Student @ Heinrich-Heine-University Düsseldorf)
On the well-posedness of the NLS & dNLS hierarchies - [Abstract](#)

30.04.25 - [Wenhui Shi](#) (PostDoc @ Aachen University)
Intrinsic convexity in the Mullins-Sekerka evolution - [Abstract](#)

07.05.25 - [Haocheng Yang](#) (PhD student @ University of Paris-Saclay)
Global well-posedness of a 2D fluid-structure interaction problem without dissipation - [Abstract](#)

14.05.25 - [Patrick Nabelek](#) (Instructor @ Oregon State University)
Nonlinear Fourier transform solutions to nonlinear long wave equations - [Abstract](#)

21.05.25 - [Lukas Niebel](#) (PostDoc @ University Münster)
Steady bubbles and drops in inviscid fluids - [Abstract](#)

28.05.25 - two talks:

11:30-12:15 - [Changzhen Sun](#) (CNRS Researcher @ Besançon)
On the nonlinear transverse asymptotic stability of line solitary waves for the three-dimensional Euler–Poisson system - [Abstract](#)

12:15-13:00 - [Hajer Bahouri](#) (CRNS Director of Research @ at LJLL, Sorbonne University)
Global well-posedness for the derivative nonlinear Schrödinger equation on the torus - [Abstract](#)

04.06.25 - [Frédéric Valet](#) (PostDoc @ CY Cergy Paris Université)
Orbital stability of a traveling wave of the Gross-Pitaevskii equation - [Abstract](#)

11.06.25 - no seminar

18.06.25 - no seminar

25.06.25 - [Raffaele Scandone](#) (Ricercatore @ University of Naples)
Schrödinger equation with point interactions: well-posedness and standing waves - [Abstract](#)

02.07.25 - [Benjamin Melinand](#) (Associate Professor @ Université Paris Dauphine)
Rigid lid limit for inviscid shallow water equations with a flat bathymetry - [Abstract](#)

09.07.25 - [Qiliang Wu](#) (Associate Professor @ Ohio University)
Deformation of striped phases induced by localized impurities - [Abstract](#)

16.07.25 - [Clara Partiarca](#) (PostDoc @ Université Libre de Bruxelles)
Forced oscillations of a spring-mounted body by a viscous liquid - [Abstract](#)

23.07.25 - [Pascal Steinke](#) (Doctoral Researcher @ Bonn University)
Second order gamma-limit for the Cahn-Hilliard functional - [Abstract](#)

30.07.25 - no seminar