

Seminar Working Group Nonlinear Partial Differential Equations

Summer Semester 2024

10.04.24 at 9:45 - [Filippo Giuliani](#) (Assistant Professor @ Politecnico di Milano)
Sobolev instability for the cubic NLS on irrational tori

17.04.24 - [Lorenzo Pompili](#) (Doctoral Researcher @ University of Bonn)
On the Bäcklund transform and the stability of the line soliton of the KP-II equation on $\mathbb{R}^2$

24.04.24 - [Ludovic Godard-Cadillac](#) (Associate Professor @ Bordeaux INP)
Hölder regularity for collapses of point-vortices

01.05.24 - no talk

08.05.24 - [Frédéric Charve](#) (Professor @ Université Paris-Est - Créteil Val-de-Marne)
Hidden asymptotics for the weak solutions of the strongly stratified Boussinesq system without rotation

15.05.24 - two talks:

11:30-12:15 - [Leonie Langer](#) (Doctoral Researcher @ University of Ulm)
Evolving heterogeneous elastic wires

12:15-13:00 - [Matthias Sroczinski](#) (Postdoctoral Researcher @ University of Konstanz)
Global existence and decay of small solutions for quasi-linear second-order uniformly dissipative hyperbolic-hyperbolic systems

22.05.24 - no talk

29.05.24 - [Antonio Tribuzio](#) (Postdoctoral Researcher @ University of Bonn)
Energy barriers for boundary nucleation in a two-well model

05.06.24 - [Anthony Salib](#) (Doctoral Researcher @ University of Duisburg-Essen)
Classification of global solutions to the obstacle problem

12.06.24 - [David Buchberger](#) (Doctoral Researcher @ University of Augsburg)
Convergence of equilibria of thin elastic plates in a discrete model - The von Kármán case

19.06.24 - [Guillaume Ferriere](#) (Research Associate @ Inria Lille)
On the (in)stability of several structures for the Landau-Lifshitz-Gilbert equation on a nanowire

26.06.24 - [Franz Gmeineder](#) (Professor @ University of Konstanz)
Extensions and differential constraints

03.07.24 - Kaori Nagato-Plum (Lecturer @ KIT)
Non-selfadjoint spectral problems related to self-similar blowup in nonlinear wave equations

10.07.24 - [Jonas Hirsch](#) (Professor @ University of Leipzig)
Two dimensional very weak solutions to the Monge-Ampère equation in $C^{1,1/3}$

17.07.24 - [Montie Avery](#) (Postdoctoral Researcher @ Boston University)
Pattern selection via marginal stability of pushed fronts in the FitzHugh-Nagumo system

24.07.24 - [Patrick Brkic](#) (Doctoral Researcher @ University of Ulm)
Wild weak solutions of the 3D axisymmetric Euler equations