

Seminar Schedule

Our seminar takes place every Tuesday at 14:00 in Room SR3.068.

In this semester, the seminar will be mainly *in person*. For guests outside KIT, the seminar will take place via *Zoom*. There is also the possibility of organizing the seminar in a *hybrid* form for some slots, under request from the group members who can't attend in person. For further information please contact Fatima Goffi or [Robert Wegner](#).

In general, each talk will take 60 minutes, including a ten-minute question session.

Time plan of talks:

18.04.23 - [Raphael Taraca](#) (Doctoral Researcher @ Stuttgart University)

The validity of the Derivative NLS approximation for systems with quadratic nonlinearities

25.04.23 - [Patrik Knopf](#) (Akademischer Rat a.Z. @ Regensburg University)

Cahn-Hilliard models with dynamic boundary conditions: phase separation processes and two-phase flows

02.05.23 - [Ioannis Anapolitanos](#) (Akademischer Rat @ KIT)

On rigorous derivation of the Hartree equation from Quantum Many-Body Systems

09.05.23 - [Patrick Tolksdorf](#) (Akademischer Rat @ KIT)

Free boundary problems via Da Prato - Grisvard theory

16.05.23 - *Two Talks*

- 14:00-14:40pm [Jiao He](#) (Maître de Conférence @ University Paris-Saclay)

Vanishing limit of a small solid in a three-dimensional incompressible viscous fluid.

- 14:45-15:25pm [Chenmin Sun](#) (Chargé de Recherche @ CNRS & University Paris-Est Créteil)

Quantitative quasi-invariance for Gaussian measures under the NLS flow and an application

23.05.23 - [Vincent Duchêne](#) (Chargé de Recherche @ CNRS & University Rennes 1)

Why and how to rectify a deep water model for surface gravity waves?

30.05.23 - *lecture free*

06.06.23 - [Dimitri Cobb](#) (Postdoctoral Researcher @ Bonn University)

Features of a Fractional Stokes-Transport system

13.06.23 - Sylvain Zalczer (Postdoctoral Researcher @ KIT)

Anderson localization for random Dirac operators

20.06.23 - [Laura Baldelli](#) (Postdoctoral Researcher @ Polish Academy of Sciences)

Infinitely many solutions to generalized quasilinear critical Schrödinger equations in \mathbb{R}^N

27.06.23 - [Anna Logiotti](#) (Postdoctoral Researcher @ Stuttgart University)

A non-local free boundary problem arising in a model of cell polarization

04.07.23 - [Lara Trussardi](#) (Junior Professor @ Konstanz University)

Nonlocal-to-local convergence of Cahn-Hilliard equations

11.07.23 - *Two Talks*

- 14:00-14:40pm [Ian Wood](#) (Senior Lecturer @ University of Kent)

Complete non-selfadjointness for Schroedinger operators on the semi-axis

- 14:45-15:25pm [Karl Michael Schmidt](#) (Professor @ CNRS & Cardiff University)

On the continuum limit for discrete Dirac operators on 2D square lattices

14.07.23 - 15:45-16:45 - [Samuel Jelbart](#) (Postdoctoral Researcher @ Technical University of Munich)

Formal Modulation Theory for Dynamic Bifurcations in PDEs

18.07.23 - [Alberto Saldana](#) (Associate Professor @ National Autonomous University of Mexico)

From competing species to nodal solutions of the Yamabe problem

20.07.23 - 14:00 - 15:00 - [Isabella Ianni](#) (Associate Professor @ Universita di Roma, La Sapienza)

Uniqueness results for local and non-local Dirichlet problems

25.07.23 - [Marcel Zodzi](#) (Doctoral Researcher @ Université Paris Cité)

Density patch problem for compressible fluids