

## Seminar Schedule

Our seminar takes place every Tuesday at 11:30 in Room SR 3.061.

In this semester, the seminar will be mainly *in person*. There is the possibility of organizing the seminar in a *hybrid* form for some slots, upon request by group members who can't attend in person. For further information please contact [Emile Bukieda](#) or [Robert Wegner](#).

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

### Time plan of talks:

- 22.10.24** - [Siliang Weng](#) (Doctoral Researcher @ KIT)  
*Magnetic Quantization and Phase Space Methods*
- 29.10.24** - [Felix Brandt](#) (Postdoc @ TU Darmstadt)  
*Interaction of liquid crystals with a rigid body*
- 05.11.24** - [Ferdinand Eitler](#) (Doctoral Researcher @ University of Augsburg)  
*Gradient integrability for bounded BD-minimizers*
- 12.11.24** - [Louis Garénaux](#) (Postdoc @ KIT)  
*Existence of a monostable front for a KPP numerical scheme*
- 19.11.24** - [Emile Bukieda](#) (Doctoral Researcher @ KIT)  
*Nonlinear Stability at the Eckhaus Boundary in case of a Shortwave Destabilization*
- 26.11.24** - Two talks  
11:30-12:15 [Wei Lian](#) (Postdoc @ Lund University)  
*Transverse instability of line periodic waves to the KP-I equation*  
12:15-13:00 [Maximilian Hanisch](#) (Doctoral Researcher @ Halle University)  
- cancelled due to illness
- 03.12.24** - [Lukas Bengel](#) (Doctoral Researcher @ KIT)  
*Soliton-based frequency combs in the Lugiato-Lefever equation*
- 10.12.24** - [Richard Nutt](#) (Doctoral Researcher @ KIT)  
*Exponential Decay of the Linear Maxwell System due to Interior Conductivity*
- 17.12.24** - [Rebekka Zimmermann](#) (Doctoral Researcher @ KIT)  
*Global regularity of 2D density patches for the incompressible inhomogeneous Navier-Stokes equations with largely varying viscosity coefficient*
- 07.01.25** - [Joannis Alexopoulos](#) (Doctoral Researcher @ KIT)  
- postponed to 11.02.25 due to illness
- 14.01.25** - [Sebastian Ohrem](#) (Doctoral Researcher @ KIT)  
*Breather solutions for semilinear wave equations - Part 1*
- 21.01.25** - [Julia Henninger](#) (Doctoral Researcher @ KIT)  
*Breather solutions for semilinear wave equations - Part 2*
- 28.01.25** - Kevin Drescher (Doctoral Researcher @ KIT)  
- cancelled
- 04.02.25** - [Robert Wegner](#) (Doctoral Researcher @ KIT)  
*Gaussian White Noise - Script*
- 11.02.25** - Two talks  
11:30-12:15 - [Martino Caliaro](#) (Doctoral Researcher @ Gran Sasso Science Institut (GSSI))

*On the Gross-Pitaevskii flow past a delta potential in one dimension*

12:15-13:00 - [Joannis Alexopoulos](#) (Doctoral Researcher @ KIT)

*Nonlinear dynamics of periodic Lugiato-Lefever waves against nonlocalized perturbations*