

## Seminar Schedule

Our seminar takes place every Tuesday at 11:30 in Room SR3.061.

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 [Robert Wegner](#).

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

### Time plan of talks:

**12.10.23 at 13:00** - [Matt Holzer](#) (Associate Professor @ George Mason University)

*Pushed and pulled invasion fronts in parabolic PDEs*

**31.10.23** - [Yadong Liu](#) (Postdoctoral Researcher @ University of Regensburg)

*On a compressible fluid-structure interaction problem with slip boundary conditions*

**07.11.23** - two talks

11:30-12:15 - [Olivia Cannon](#) (Doctoral Researcher @ University of Minnesota)

*Shifting parties in social dynamics: a nonlocal approach*

12:15-13:00 - [Michele Dolce](#) (Postdoctoral Researcher @ EPFL)

*Stability threshold of the 2D Couette flow in a homogeneous magnetic field*

**14.11.23** - Niklas Knobel (Doctoral Researcher @ KIT)

*On the Sobolev stability threshold for the 2D MHD equations for vanishing resistivity limit*

**21.11.23** - two talks

11:30-12:00 - [Dan Hill](#) (Postdoc @ Saarland University)

*Going around in circles: Developing a functional analytic framework for radial solutions to PDEs*

12:00-13:00 - [Sebastian Ohrem](#) (Doctoral Researcher @ KIT)

*Breather solutions to quasilinear wave equations*

**28.11.23** - [Julia Henninger](#) (Doctoral Researcher @ KIT)

*Rogue waves for a generalized semilinear wave equation*

**05.12.23** - two talks

11:30-12:30 - [Robert Wegner](#) (Doctoral Researcher @ KIT)

*Long-wave approximation of the GP-hierarchy by the KdV-hierarchy*

12:30-13:00 - [Shan Wang](#) (Doctoral Researcher @ UPEC)

*Exponential decay estimates of Navier-Stokes system*

**12.12.23** - Kevin Drescher (Doctoral Researcher @ KIT)

*Computer-assisted existence proofs for nonlinear boundary value problems*

**19.12.23** - [Peter Lewintan](#) (Research Assistant @ University Duisburg-Essen)

*Optimal Korn-Maxwell-Sobolev inequalities*

**09.01.24** - [Rebekka Zimmermann](#) (Doctoral Researcher @ KIT)

*Boussinesq equations with variable viscosity coefficient*

**16.01.24** - [Lukas Bengel](#) (Doctoral Researcher @ KIT)

*Single- and multi-pulses in the two-mode forced Lugiato-Lefever equation*

**23.01.24** - [Joannis Alexopoulos](#) (Doctoral Researcher @ KIT)

*Asymptotics and stability of large  $L^\infty$ -modulations of wave trains in reaction-diffusion systems*

**30.01.24** - [Louis Garénaux](#) (Postdoctoral Researcher @ KIT)

*Stability of propagated fronts in scalar balance laws*

**06.02.24** - [Lars Eric Hientzsch](#) (Postdoc Fellow @ University of Bielefeld)

*On the ill-posedness of the stably stratified Boussinesq equations in the class of bounded initial data*

**13.02.24** - [Timothée Crin-Barat](#) (Postdoctoral Researcher @ Friedrich-Alexander-Universität Erlangen)

*Partially dissipative hyperbolic systems: hypocoercivity and hyperbolic approximations*