

# SFB 1432

# Colloquium

Dec 15, 2022  
Talk at 15:15  
in P 603  
refreshment afterwards

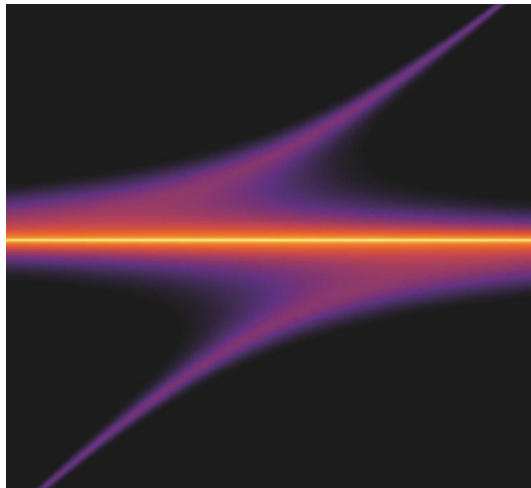


**Prof. Dr. Silvia Viola Kusminskiy**

RWTH Aachen & MPI for the Science of Light, Erlangen

## Cavity Magnomechanics: Harnessing the Magnomechanical Coupling for Applications in the Microwave and Optical Regimes

Cavity magnonic systems are ideally suited to explore the range of possibilities opened by tailoring the interactions between photons, phonons, and magnons. In this talk I will discuss the different coupling mechanisms and propose applications ranging from quantum thermometry to wavelength conversion.



Contact:  
U. Nowak, 5351

