Speaker: Lutz Weis (Karlsruhe Institute of Technology)

Title: An operator-theoretic approach to dispersion inequalities for Schroedinger operators.

Abstract: Dispersion inequalities are a basic tool in proving existence and uniqueness results for solutions of non linear Schroedinger equations. If one considers equations on bounded regions or manifolds then classical results from Fourier analysis have to be supplemented with methods from spectral theory, which we will portray in this talk.