

## **abstract**

Analysis Seminar  
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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In this talk, we will present some recent results in the study of the nonlinear wave equation with cubic defocusing nonlinearity, describing the completion of a program to establish global well-posedness and scattering in the energy-supercritical regime under an assumed a priori uniform-in-time control of the critical norm. In particular, we discuss a series of recent results in which the concentration-compactness approach of Kenig and Merle is combined with tools from harmonic analysis to yield insight in this class of problems.