

Seminar of the Work Group  
Nonlinear Partial Differential Equations  
WS 2020/21

**November 6, 2020, 14:00 - 15:30, SR 2.066, building 20.30**

**Friedrich Klaus**

*Low regularity conservation laws for integrable PDE*

I will talk about a paper by Killip, Visan, Zhang from 2017 with the same title (<https://doi.org/10.1007/s00039-018-0444-0>) and describe some of its applications.

Abstract of the paper: “We present a general method for obtaining conservation laws for integrable PDE at negative regularity and exhibit its application to KdV, NLS, and mKdV. Our method works uniformly for these problems posed both on the line and on the circle.”