



Wir laden sehr herzlich zu einem Vortrag im Rahmen des
Oberseminars Partielle Differentialgleichungen
ein:

Prof. Dr. Aleksandr Murach

(National Academy of Sciences of Ukraine, Kiev)

“Generalized Sobolev spaces and partial differential equations”

Donnerstag, 19. September 2019

Beginn: **15.15 Uhr**

Raum: **D 301**

Interessenten sind herzlich willkommen!

R. Denk, M. Kunze

Abstract: This talk is devoted to a generalization of Sobolev spaces which gives an extended scale of inner product spaces. The spaces are parametrized with a function parameter depending on the frequency variables. We discuss some applications of these spaces to interpolation between Hilbert spaces, elliptic equations, spectral theory, and parabolic equations. These generalized spaces become useful in the case where the Sobolev scale is too rough for a number of problems in analysis and PDEs.

(eingeladen von Prof. Dr. Robert Denk)