Institute for Analysis and Scientific Computing, and
Doctoral Program "Dissipation and Dispersion in Nonlinear PDEs"

Course Announcement:

Blow-Up in Nonlinear PDEs Theory and Methods

by

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Aim: Blow-up theory for nonlinear deterministic and stochastic partial differential equations

Content:

1/ Introduction to the concept of blow-up.

2/ Finite-time Blow-up: ODEs vs PDEs

3/ Main methods for proving the existence of finite-time blow-up for some key nonlinear PDEs.

4/ Some techniques for proving finite-time blow-up for some stochastic partial differentials equations (SPDEs)

Location and Times:
07.06. - 07.07.2019

Mon: 15:00 - 16:30

Tue: 16:30 - 18:00, June 18 + 25

Wed: 10:30 - 12:00,
except July 3: 12:00 - 13:30

Thu: 15:00 - 16:30

Fri: 15:00-16:30, June 7, 14 + 21

Room: Library 101,
6th fl., green area

3.0 ECTS