

WORKSHOP ON

Singularity formation and long-time behavior in dispersive PDEs

$$\partial_t^2 u - \Delta u = \pm u|u|^{p-1}$$

$$g^{\mu\nu} \Gamma^a_{bc}(\phi) \partial_\mu$$

$$i\partial_t \psi + \frac{1}{2} \Delta \psi = \pm \psi |\psi|^{p-1}$$



Date:

March 14 – 18, 2016

Location:

University of Bonn,
Germany

Organizers: Roland Donniger and Herbert Koch

The workshop will bring together leading experts in the field to discuss the latest developments. Topics of high interest include singularity formation in finite time, long-time behavior of large-data solutions, soliton resolution, nonperturbative methods, and the interplay with other areas of mathematics.

Speakers include:

M. Beceanu (*UC Berkeley*)

P. Bizoń (*U Krakow*)

N. Burq (*U Paris 11*)

R. Côte (*Palaiseau*)

P. D'Ancona (*U Rome*)

B. Dodson (*JHU Baltimore*)

P. Gérard (*U Paris 11*)

Z. Guo (*Monash*)

S. Gustafson (*U British Columbia*)

B. Harrop-Griffiths (*Courant*)

S. Herr (*U Bielefeld*)

D. Hundertmark (*KIT*)

A. Ionescu (*Princeton*)

R. Killip (*UCLA*)

J. Krieger (*EPFL*)

A. Lawrie (*UC Berkeley*)

E. Lenzmann (*U Basel*)

J. Li (*Beijing Normal*)

B. Liu (*BICMR*)

J. Lührmann (*ETH Zurich*)

Y. Martel (*Palaiseau*)

J. Marzuola (*U North Carolina*)

D. Mendelson (*IAS*)

F. Merle (*U Cergy-Pontoise*)

J. Metcalfe (*U North Carolina*)

T. Mizumachi (*U Hiroshima*)

C. Muñoz (*U Chile*)

K. Nakanishi (*U Osaka*)

S.-J. Oh (*UC Berkeley*)

T. Oh (*U Edinburgh*)

F. Planchon (*U Nice*)

O. Pocovnicu (*Heriot-Watt*)

S. Roudenko (*George Washington*)

J.-C. Saut (*U Paris 11*)

B. Schörkhuber (*U Vienna*)

S. Selberg (*U Bergen*)

S. Shahshahani (*U Michigan*)

C. Sogge (*JHU Baltimore*)

V. Sohinger (*ETH Zurich*)

M. Struwe (*ETH Zurich*)

J. Szeftel (*U Paris 6*)

D. Tataru (*UC Berkeley*)

N. Tzvetkov (*U Cergy-Pontoise*)

L. Vega (*U Bilbao*)

H. Zaag (*U Paris 13*)

<http://sfb1060.iam.uni-bonn.de/activities/workshops/>

