



International Workshop on

Localized Structures in Dissipative Nonlinear Systems

October 18 – 20, 2010, WIAS, Berlin

invited speakers

T. Ackemann (Glasgow)
N. Akhmediev (Canberra)
S. Barland (Nice)
C. Denz (Münster)
J. Dudley (Besançon)
O. Egorov (Jena)
W. J. Firth (Glasgow)
R. Friedrich (Münster)
M. Guidici (Nice)
V. Konotop (Lisbon)
N. Kutz (Seattle)
B. Malomed (Tel Aviv)
F. Mitschke (Rostock)
K. Panajotov (Brussels)
H.-G. Purwins (Münster)
N. N. Rosanov (St. Petersburg)
D. Skryabin (Bath)
K. Staliunas (Barcelona)
M. Taki (Lille)
M. Tlidi (Brussels)
S. K. Turitsyn (Birmingham)
V. Zykov (Berlin)

scientific background

This workshop aims at bringing together a worldwide community of researchers working in the field of nonlinear systems which exhibit self-organized dissipative structures.

Special attention will be paid to solitary structures in active and passive optical systems, the so-called optical dissipative solitons.

A wide spectrum of topics concerning generation, stability, interactions, and applications of dissipative solitons will be covered:

- Cavity solitons in active and passive optical systems
- Generation and propagation of pulses in optical waveguides
- Stability, interaction, and mobility properties of dissipative solitons
- Dissipative solitons in physical, chemical, and biological systems

organizers

Shalva Amiranashvili (WIAS)
Uwe Bandelow (WIAS)
Andrei Vladimirov (WIAS)

support

Weierstrass Institute for Applied Analysis and Stochastics

DFG Research Center
MATHEON

contact

Workshop Office:
LSDNS10@wias-berlin.de

registration deadline

August 22, 2010

official website:

[www.wias-berlin.de/
workshops/LSDNS10](http://www.wias-berlin.de/workshops/LSDNS10)



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