



Nonlinear PDE Days

Organizers

Frankfurt - Giessen - Karlsruhe

June 16 – 17, 2011

Concentration phenomena in nonlinear
PDE's

Thomas Bartsch - Univ. Giessen

Mohameden Ould Ahmedou - Univ. Gießen

Michael Plum - Univ. Karlsruhe

Wolfgang Reichel - Univ. Karlsruhe

Tobias Weth - Univ. Frankfurt

Speakers

Norman Dancer (University of Sydney)

Theresa D'Aprile (Università di Roma "Tor Vergata")

Frank Pacard (École Polytechnique Palaiseau)

Angela Pistoia (Università di Roma "La Sapienza")

Schedule

Thursday, June 16

2:00 – 2:50 p. m.	Norman Dancer	Finite Morse index solutions of nonlinear elliptic PDE's
3:00 – 3:50 p. m.	Theresa D'Aprile	Solutions with mixed positive and negative spikes for some singularly perturbed elliptic problems
4:30 – 5:20 p. m.	Frank Pacard	Sign changing solutions for some nonlinear Schrödinger equation

Friday, June 17

9:00 – 9:50 p. m.	Norman Dancer	Single and multi peak solutions in degenerate cases
10:00 – 10:50 p. m.	Angela Pistoia	On the stability of the Paneitz-Branson equation
11:30 – 12:20 p. m.	Frank Pacard	The role of minimal surfaces in the study of Allen-Cahn equation

Location

Mathematisches Institut, Arndtstraße 2, 35392 Gießen