



Higher order equations in Geometry and Physics

SISSA—International School for Advanced Studies

Trieste, Italy, May 30 - June 2, 2011



Minicourses by

Peter Bates __ [Michigan State University]

Filippo Gazzola __ [Polytechnic of Milan]

Ernst Kuwert __ [University of Freiburg]

Michael Struwe __ [ETH Zurich]

Speakers

M. Arroyo __ [Universitat Politècnica de Catalunya]

A. Chang __ [Princeton University]

G. Fusco __ [University of L'Aquila]

H.C. Grunau __ [University of Magdeburg]

E. Hebey __ [University of Cergy-Pontoise]

T. Lamm __ [University of Frankfurt]

R. Moser __ [University of Bath]

F. Robert __ [Institute Elie Cartan, Nancy]

M. Rögers __ [University of Dortmund]

P. Yang __ [Princeton University]

Aims and scopes

The workshop will consist of four mini-courses and ten seminars, plus possibly some contributions from young researchers in the form of poster presentations.

The goal of the meeting is to explore different aspects of higher order equations, arising both in pure and applied mathematics (surface theory, geometric analysis, optimal inequalities, theoretical physics, pattern formation in chemical or biological models). The gathering of several experts in different areas should give the participants an opportunity to exchange ideas and methods to study existence, regularity and qualitative properties of solutions to the partial differential equations involved in various contexts.

Financial support Some funds are available to cover the local expenses of a few Ph.D. students and young researchers.

Deadlines **April, 10th 2011:** application for funding.

April, 20th 2011: registration deadline.

Organizing committee

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Information

Sponsors



For any further information, please contact the local organizer [Andrea Malchiodi](#)

