

School in

Nonlinear Analysis and Calculus of Variations

Dedicated to Giovanni Prodi for his 80th birthday

Pisa, October 17-22, 2005

Scuola Normale Superiore
Università di Pisa, Dipartimento di Matematica *L. Tonelli*

October 17 - 20: four courses of four lessons of one hour and a half each:

A. ABBONDANDOLO AND P. MAJER, "*The Morse complex for infinite dimensional manifolds*"

G. SAVARÉ, "*Gradient flows: a variational approach*"

F. GIANNONI AND P. PICCIONE, "*Orthogonal geodesic chords on Riemannian manifolds with concave boundary and applications*"

J.M. MOREL AND S. SOLIMINI, "*Branched transport structures, variational models*"

October 21 – 22 (morning): talks by young researchers and some general lectures

Lessons and seminars will be held at the *Centro De Giorgi*, Aula Dini, Via del Castelletto 11
Applications must be addressed to the Organizing Secretary. People interested in giving a talk during the second part of the school should contact the Organizing Committee.

Staying expenses of up to 25 young participants can be covered by the organization: please contact the Organizing Secretary.

Scientific Committee: L. Ambrosio, V. Benci, G. Buttazzo, M. Degiovanni, D. Fortunato, A. Marino, B. Ruf, C. Saccon.

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