



Fondazione C.I.M.E.



**Centro Internazionale Matematico Estivo
International Mathematical Summer Center**

Calculus of variations and non linear partial differential equations Cetraro (Cosenza) - June 27 - July 2, 2005

Course directors:

Prof. Bernard Dacorogna (EPFL, Lousanne, Switzerland)

Prof. Paolo Marcellini (Università di Firenze, Italy)

Lectures:

Prof. Luigi Ambrosio Scuola Normale Superiore, Pisa, Italy	Transport equation and Cauchy problem for non-smooth vector fields.
Prof. Luis A. Caffarelli University of Texas at Austin, USA	Homogenization methods for non divergence equations.
Prof. Michael Crandall University of California at Santa Barbara, USA	The infinity-Laplace equation and elements of the calculus of variations in L-infinity.
Prof. Gianni Dal Maso SISSA, Trieste, Italy	Rate-independent evolution problems in elasto-plasticity: a variational approach.
Prof. Lawrence C. Evans University of California at Berkeley, USA	Weak KAM theory and partial differential equations.
Prof. Nicola Fusco Università di Napoli, Italy	Geometrical aspects of symmetrization.

CIME activity is carried out with the collaboration and financial support of:

- INdAM (Istituto Nazionale di Alta Matematica)
- Ministero degli Affari Esteri - Direzione Generale per la Promozione e la Cooperazione - Ufficio V,
- MIUR (Ministero dell'Istruzione dell'Università e della Ricerca).