

Vector-valued Partial Differential Equations and Applications

Cetraro (CS) - July 8 - July 12, 2013



CIME-EMS Summer School in applied mathematics

Course directors:

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Special session for the celebration of the 60th birthday of Bernard Dacorogna



To celebrate the 60th birthday
of Bernard Dacorogna
some conferences
will take place
on Wednesday July 10th

Gianni Dal Maso
Sissa

Generalized functions with bounded deformation

Carlo Sbordone
Univ. Napoli "Federico II", Italy

Bi-Sobolev maps

Giovanni Cupini
Univ. Bologna

Local boundedness for solutions to some elliptic systems

Emanuele Paolini
Univ. Firenze

Piecewise affine solutions to the two well problem

Giovanni Pisante
Univ. Napoli II

Quantitative second order minimality criterion
for a non local isoperimetric problem

CIME Courses:

The following lectures will take place on Monday, Tuesday, Thursday and Friday:

Bernard Dacorogna
EPF, Lausanne, Switzerland

The pullback equations for differential forms

Nicola Fusco
Univ. Napoli "Federico II", Italy

Stability of isoperimetric inequalities

Stefan Müller
Univ. Bonn, Germany

Mathematical problems in thin elastic sheets: packing, crumbling and singularities

Vladimir Sverak
Univ. of Minnesota, USA

Aspect of the incompressible Navier-Stokes and Euler's equations