Vector-valued Partial Differential Equations and Applications

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



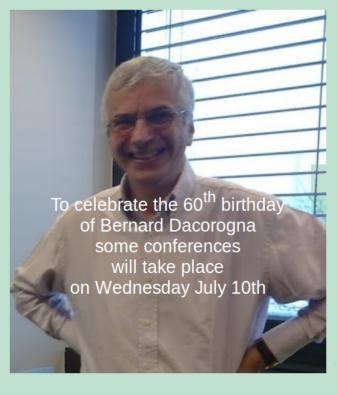
CIME-EMS Summer School in applied mathematics

Course directors:

John Ball (Oxford Univ., UK)
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Paolo Marcellini (Univ. Firenze, Italy)
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Special session for the celebration of the 60th birthday of Bernard Dacorogna





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

Quantitative second order minimality criterion

Univ. Napoli II

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