Lecturers and Topics:

**John Ball**, University of Oxford (UK)
- Microstructure Genesis and Morphology

**Bernard Dacorogna**, École Polytechnique Fédérale de Lausanne (Switzerland)
- The Pullback Equation for Differential Forms

**Nicola Fusco**, Università degli Studi di Napoli Federico II (Italy)
- Stability for Inequalities of Isoperimetric Type

**Richard James**, University of Minnesota (USA)
- Compatibility, Hysteresis and Energy Conversion

**Sylvia Serfaty**, Université Pierre et Marie Curie (France)
- Point Systems with Coulomb Interaction: From Variational Study to Statistical Mechanics

The mini-courses will be complemented by one-hour talks by leading researchers in related fields. The list includes:

- **Kaushik Dayal**, Carnegie Mellon University
- **Alessio Figalli**, University of Texas at Austin
- **Rupert Frank**, California Institute of Technology

Advanced graduate students and postdocs are invited to submit a title and an abstract for a poster. A CV will also be required. Each poster will be individually introduced with a five minute oral presentation. The deadline for submission of posters is April 15, 2013.

Advanced undergraduate students, graduate students, and postdoctoral fellows are encouraged to apply for financial support. The deadline for applications is April 15, 2013.

This conference is sponsored by the Department of Mathematical Sciences at Carnegie Mellon University and by the National Science Foundation.

Organizers: Irene Fonseca, Giovanni Leoni and Ian Tice

http://www.math.cmu.edu/cna/Summer13

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