

Meeting in Applied Mathematics and Calculus of Variations

Timetable – aula Picone

Tuesday 13

10.30-11.15 E. Spadaro
11.30-12.15 M. Friedrich
lunch
14.00-14.45 F. Iurlano
15.00-15.45 G. Lazzaroni

Wednesday 14

9.00-9.45 A. Giunti
10.00-10.45 S. Neukamm
coffee break
11.15-12.00 E. Davoli
12.15-13.00 L. De Luca

free afternoon

Thursday 15

10.30-11.15 C. Nobili
11.30-12.15 J. Louet
lunch
14.00-14.45 K. Koumatos
15.00-15.45 M. Colombo

Friday 16

9.00-9.45 B. Zwicknagl
10.00-10.45 M. Renger
coffee break
11.15-12.00 A. Marchese
12.15-13.00 G. De Philippis

TITLES

Tuesday 13

Emanuele Spadaro: On the regularity of the free boundary for the thin-obstacle problem.

Manuel Friedrich: Korn inequalities for special functions of bounded deformation.

Flaviana Iurlano: Existence for the Griffith stationary fracture problem in dimension two.

Giuliano Lazzaroni: Mathematical models for materials with cohesive effects.

Wednesday 14

Arianna Giunti: Green's function estimates for elliptic systems and homogenization error.

Stefan Neukamm: H^1 -error estimate for the two-scale expansion in stochastic homogenization.

Elisa Davoli: Homogenization of integral energies under oscillating differential constraints.

Lucia De Luca: Ground states of a two-phase model with cross and self attractive interactions.

Thursday 15

Camilla Nobili: Bounds on heat transport in convective turbulence.

Jean Louet: An entropic regularization of the Monge problem.

Konstas Koumamos: Programming of shape in narrow ribbons of liquid crystal elastomers.

Maria Colombo: Lipschitz changes of variables between perturbations of log-concave measures.

Friday 16

Barbara Zwicknagl: Low-energy martensitic inclusions.

Michiel Renger: Functions of bounded variation with an infinite-dimensional codomain.

Andrea Marchese: Rectifiable currents with coefficients in groups and applications.

Guido De Philippis: On the structure of A -free measures and applications.