

UNIVERSITÀ DI MODENA E REGGIO EMILIA
DIPARTIMENTO DI MATEMATICA PURA E APPLICATA
APRIL 15TH 2012- JUNE 15TH 2012

Intensive two-month period on boundary value problems for differential equations: models for the applied sciences and theoretical aspects.

Each speaker will give two lectures addressed to different audiences: one lecture, named Colloquium, aims, both in subject and style, at a broad audience of Faculty members, PhD students and not expert people, while the other lecture, named Research Seminar, is for experts in the field

Colloquia

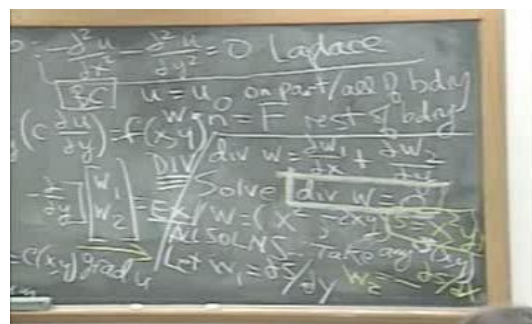
May 9th, h. 15.00 **Alberto Abbondandolo** (Università di Pisa):

On the Qualitative Features of the Transformations of Classical Mechanics

May 16th, h. 15.00 **Susanna Terracini** (Università di Milano Bicocca): *Orbits and Space-Time Symmetries of the N-Body Problem*

June 6th, h. 15.00 **Luis Sanchez** (CMAF-Faculdade de Ciencias da Universidade de Lisboa): *Travelling Waves and Critical Speed in Equations of Fisher-Kolmogorov type*

June 13th, h. 15.00 **Jurgen Appell** (University of Wurzburg): *Nonlinear Composition Operators: a Brief Survey*



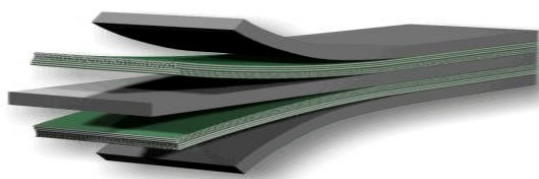
Research Seminars

May 10th, h. 15.00 **Alberto Abbondandolo** (Università di Pisa): *How Large is the Shadow of a Symplectic Ball?*

May 18th, h. 15.00 **Susanna Terracini** (Università di Milano Bicocca): *Symbolic Dynamics for the N-Center Problem*

June 7th, h. 15.00 **Luis Sanchez** (CMAF- Faculdade de Ciencias Universidade de Lisboa): *Heteroclinics and other Solutions in Unbounded Intervals for Third and Fourth Order ODEs*

June 14th, h. 15.00 **Jurgen Appell** (University of Wurzburg): *Condensing Operators and Applications: Old and New*



Organization:

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