

Xmaths workshop

21/12/2015

ore 9.15

Aula VIII

www.xmathsworkshop.weebly.com

Programma

9:30 - 10:30 **Martino Borello** (École Polytechnique Fédérale de Lausanne)

On the Euclidean minimum of number fields.

10:30 **Biagio Cassano** (*"Sapienza"* - Università di Roma)

Hardy uncertainty principle and gaussian decay
for solutions to the Schrödinger equation.

10:50 **Salvatore de Candia** (Università degli Studi di Bari "Aldo Moro")

Slant immersions.

11:10 - 11:40 **Break**

11:40 - 12:40 **Davide Rossini** (Scuola Normale Superiore - Pisa)

Localized Majorana-like modes in a number conserving setting.

12:40 **Antonio Macchia** (Philipps-Universität Marburg, Universidade de Coimbra)

The poset of proper divisibility.

13:00 - 15:00 **Break**

15:00 **Francesco Ferrulli** (Imperial College London)

Spectral properties for bi-layer Graphene operator.

15:20 **Giancarlo Garnero** (Università degli Studi di Bari "Aldo Moro")

Moving Walls and Geometric Phases.

15:40 **Konstantin Palagachev** (University of the Federal Armed Forces at Munich)

Value function approach for bilevel optimal control problems.

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9:30 - 10:30 **Antonio Lerario** (Florida Atlantic University and SISSA)

Statistics on Hilbert's Sixteenth Problem.

10:30 **Giuseppe Vacca** (*Università degli Studi di Bari "Aldo Moro"*)

Divergence Free virtual elements for the Stokes problem on polygonal meshes.

10:50 **Salvatore Stuvard** (*University of Zurich*)

Regularity theory of area-minimizing generalized surfaces.

11:10 - 11:40 **Break**

11:40 -12:40 **Pierpaolo Vivo** (King's College London)

*Universality of Tracy-Widom distribution:
from solitaire card games to burning paper sheets.*

12:40 **Fabio Pizzichillo** (*BCAM - Basque Center for Applied Mathematics*)

Delta-Shell interaction for Dirac Operator and Klein's Paradox.

xmaths.workshop@gmail.com
ilaria.castellano88@gmail.com
fabiodeelan.cunden@bristol.ac.uk
saradimarti@gmail.com
giuseppe.stancarone@uniba.it

tel (+39) 080 544 2693
Campus, Via Orabona 4 - 70125 Bari (Italy)