

ARPILYSM 1

APPLICATIONS OF MATHEMATICS TO MATHEMATICS

ARPINO NOVEMBER 10-14 2024

HOTEL IL CAVALIERE D'ARPINO

THIERRY PAUL WITH THE HELP OF ITALO CAPUZZO DOLCETTA ORGS.

PROGRAM

INT: “On the notion of integrability and applications in algebra and dynamical systems” by *Michela and Claudio Procesi*

HOP: “Hopf algebras and applications to combinatorics and dynamical systems” by *Claudia Malvenuto and Frédéric Patras*

HAR: “Harmonic analysis and applications to functional, classical and numerical analysis” by *Silvia Bertoluzza, Andreas Debrouwere, and Jasson Vindas Diaz*

PHA: “Analysis on phase space and applications to signal analysis and low dimension topology” by *Stéphane Jaffard and Thierry Paul*

Lunedì 11/11/2024

9.00 - 10.00 **HAR**
10.00 - 10.30 **Simon Becker** *Twisted moire materials in the semiclassical limit*
pause-café / pausa caffè
11.00 - 11.30 **Lorenzo Baroni** *On Action-Angle variables in infinite dimension*
11.30 - 12.00 **Aydin Ata Deniz** *Quantization of measures and applications to geometric optimization problems*
déjeuner / pranzo
16.00 - 16.30 **Stefano Rossi** *On the stability of vacuum in the screened Vlasov-Poisson equation*
pausa caffè / pause-café
17.00 - 18.00 **HAR**
dîner / cena

Martedì 12/11/2023

09.00 - 10.00 **HAR**
10.00 - 10.30 **Antoine Gagnebin** *Landau damping and final data problem on the torus*
pause-café / pausa caffè
11.00 - 11.30 **Diego Fiorletta** *The dynamical Amrein-Berthier Theorem*
11.30 - 12.00 **Marta Menci** *Differential and Non-Differential agent-based models for Pedestrian Dynamics*
déjeuner / pranzo
14.30 - 15.30 **INT**
pause-café / pausa caffè
16.00 - 17.00 **HOP**
17.00 - 18.00 **PHA**
cena / dîner

Mercroledi 13/11/2024

09.00 - 10.30 **HOP**

pausa caffè / pause-café

11.00 - 12.30 **PHA**

pranzo / déjeuner

14.30 - 16.00 **INT**

16.00 - ...

Musei della mandolina e Mastroianni *TBC*

20.30

dîner de gala / cena di gala

JeuGiovedi 14/11/2024

09.00 - 10.30 **PHA**

pausa caffè / pause-café

11.00 - 12.30 **INT**

pranzo / déjeuner

14.30 - 16.00 **HOP**

16.30 - **THE END**