



# DIPARTIMENTO DI MATEMATICA

## Modern Aspects of PDE

*in memory of Enrico Jannelli*

### Thursday 23 – Lecture room I

09.00am – 09.40am *Opening*  
*Award ceremony of the Enrico Jannelli prize*

*Chairman* ANTONIO LEACI

09.40am – 10.20am ALBERTO RONCORONI  
*Rigidity and symmetry results in convex cones*

*Coffee Break*

10.55am – 11.35pm SERGIO SPAGNOLO  
*An application of Jannelli symmetrizer  
to the well-posedness of a class of hyperbolic problems*

11.40am – 12.20pm MASSIMO CICOGNANI  
*La disuguaglianza di Gårding per sistemi ed applicazioni*

*Lunch Break*

*Chairman* PIERO D'ANCONA

03.00pm – 03.25pm MARCELLO D'ABBICCO  
*Roots of hyperbolic polynomials and dissipative PDE:  
another legacy of Enrico Jannelli*

03.30pm – 04.10pm ANTONIO LEACI  
*Bilateral Riemann–Liouville fractional Sobolev  
and Bounded Variation spaces*

*Coffee Break*

04.45pm – 05.25pm FRANCO TOMARELLI  
*Pure traction and Signorini problem between  
linear and finite elasticity*

05.30pm – 06.10pm PIERANGELO MARCATI  
*Large data, global in time, weak solutions for quantum MHD  
with nonlinear pressure via Maxwell–Schrödinger*

*Social Dinner at*



BARI  
GRANDE ALBERGO  
DELLE NAZIONI

*starting at 8:00pm*



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### Friday 24 – Lecture room I

*Chairman* MASSIMO CICOGNANI

- 09.00am – 09.25am ANNUNZIATA LOIUDICE  
*A glimpse into Enrico Jannelli's results  
on critical elliptic problems*
- 09.30am – 10.10am SILVIA CINGOLANI  
*On a topological construction for a fractional elliptic problem*
- 10.15am – 10.55am VINCENZO VESPRI  
*Some recent results about doubly nonlinear operators*
- Coffee Break*
- 11.30am – 12.10pm PIERO D'ANCONA  
*Scattering per la NLS a coefficienti variabili su  $\mathbb{R}$*
- 12.15pm – 12.55pm FERRUCCIO COLOMBINI  
*Strictly or weakly hyperbolic equations  
with regular or non-regular coefficients*