

Statistical Mechanics and Evolution Equations

Rome, January 28-29, 2016

A Workshop in Honor of Carlo Marchioro on the Occasion of his 70th Birthday

PROGRAM

Thursday, January 28, 2016

9.00 Opening

9.10 Errico Presutti

Latent heat and the Fourier law

10.00 Emanuele Caglioti

Long time behavior of solutions of Vlasov-like equations

10.30 **Coffee break**

11.00 Francesco Calogero

Solvable many-body problems and generations of polynomials

11.50 Evelyne Miot

A uniqueness result for the Vlasov-Poisson system with unbounded density

12.40 **Long break**

14.30 Edriss S. Titi

Is Dispersion a Stabilizing or Destabilizing Mechanism?

15.20 Paolo Buttà

On the dynamics of infinite classical anharmonic crystals

15.50 **Mini break**

16.10 Silvia Caprino

A review on recent results on a Vlasov-Poisson plasma with infinite charge and velocities

20.00 **Social Dinner**¹

¹Interested people have to contact the organizers not later than January 6 at butta@mat.uniroma1.it. The dinner will be held at the restaurant "Pastificio San Lorenzo" in Via Tiburtina, 196.

Friday, January 29, 2016

9.10 Kazuo Aoki

Decay of a linear oscillator in a rarefied gas: Spatially one-dimensional case

10.00 Mario Pulvirenti

TBA

10.30 **Coffee break**

11.00 Dragos Iftimie

On stationary solutions of the incompressible Navier-Stokes equations

11.50 Alessandro Pellegrinotti

Continuous time random walk in dynamic random environment

12.40 **Long break**

14.30 Maxime Hauray

From vortices to 2D Navier-Stokes and “particles” to Landau

15.20 Guido Cavallaro

Mathematical models of viscous friction

15.50 **Mini break**

16.10 Giovanni Gallavotti

On some integrable systems: Brownian motion, normal forms and zeros of polynomials