

# **Guerra80: Timetable**

## **A Conference in Honor of Francesco Guerra's Eightieth Birthday**

**Dipartimento di Matematica, Sapienza Università di Roma, Dicembre 02 2022**

### **Friday December 02 2022: Morning Session**

**08:30-09:15 Registration**

**09:15-09:30 Opening Speech (Institutional)**

**Chair: Salvatore De Martino**

**09:30-10:00 Giuseppe Vitiello, Università di Salerno**  
**Energy storage and coherent states**

**10:00-10:30 Giovanni Gallavotti, Sapienza Università di Roma**  
**Statistical ensembles in fluid dynamics**

**10:30-11:00 Giorgio Parisi, Sapienza Università di Roma**  
**TBA**

**11:00-11:30 Coffee Break**

**Chair: Federico Ricci-Tersenghi**

**11:30-12:00 Marc Mézard, Università Bocconi di Milano**  
**Factorizing large matrices with neural networks**

**12:00-12:30 Adriano Barra, Università del Salento**  
**Universality of information processing by shallow neural networks**

**12:30-13:00 Silvio Franz, Université Paris-Sud (Orsay)**  
**The relation between the Parisi scheme and multi-thermalized dynamics in finite dimensions**

**13:00-14:30 Lunch**

**Friday December 02 2022: Afternoon Session**

**Chair: Silvio De Siena**

**14:30-15:00 Luciano Maiani, Sapienza Università di Roma**  
**TBA**

**15:00-15:30 Elena Agliari, Sapienza Università di Roma**  
**Recurrent neural networks that generalize from examples and improve by dreaming**

**15:30-16:00 Nicola Cufaro Petroni, Università di Bari**  
**Stochastic mechanics and Lévy processes**

**16:00-16:30 Coffee Break**

**Chair: Enzo Marinari**

**16:30-17:00 Pierluigi Contucci, Università di Bologna,**  
**Disordered systems beyond the permutation symmetry**

**17:00-17:30 David Sherrington, Oxford University**  
**Pseudo-Spin Glasses, Materials, Community and Friendship**

**17:30 - Concluding remarks: Francesco Guerra**

**20:00 Cena Sociale**