

Modelling, Theory and Computation

CNR-NANOTECH Research Area mini-WORKSHOP

February 17th 2017

[Aula Conversi](#), Edificio Marconi, Università Sapienza, Piazzale Aldo Moro 5, Roma

PROGRAM

TIME	SPEAKER	TITLE
8:45	Giuseppe Gigli (CNR-NANOTECH Director)	Greetings and short presentation of the Institute of Nanotechnology and the MTC Area
9:00	Bruno Rizzuti (CNR-NANOTECH LiCryL, Rende)	Molecular simulations of disordered proteins
9:30	Andrea De Martino (CNR-NANOTECH SLiM, Roma)	Optimal growth from the efficient allocation of cellular resources in E. coli
10:00	Carlo Lucibello (Politecnico di Torino)	Probing the energy landscape of Artificial Neural Networks
10:30	COFFEE BREAK	Aula Conversi
11:00	Giorgio Parisi (Sapienza, Roma)	The physics of jamming: a journey from marble pebbles toward scaling invariant field theory.
11:30	Luca Leuzzi (CNR-NANOTECH SLiM, Roma)	Glassy Random Lasers
12:00	Fabrizio Antenucci (CEA, Saclay)	Statistical physics of nonlinear wave interaction
12:30	Alessia Marruzzo (LPTMS, Paris Sud)	Inverse problems for continuous spin models and applications in random optical media
13:00	LUNCH BREAK	
14:30	Federico Ricci-Tersenghi (Sapienza, Roma)	Phase Transitions in Semidefinite Relaxations: a fast & robust algorithm for community detection
15:00	Luca Sorriso Valvo (CNR-NANOTECH LiCryL, Rende)	THOR and the energy dissipation in turbulent space plasmas
15:30	Giuseppe Consolini (INAF-IAPS, Roma)	Turbulence, complexity and intermittency at non-MHD scales in space plasma.
16:00	Francesco Carbone (CNR-IIA, Rende)	Lagrangian statistics of mesoscale turbulence in a natural environment: The Agulhas return current
16:30	Andrea De Martino (CNR-NANOTECH SLiM, Roma)	Workshop conclusions and MTC Area Perspectives