



Physics of Complex systems II: from Padova to the rest of the world and back

aula B

18th December 2014

Dipartimento di Fisica e Astronomia "G Galilei"
via Marzolo 8, Padova, Italy



Dipartimento
di Fisica
e Astronomia
Galileo Galilei

PROGRAMME

13:45 – 14:00	Milo Abolaffio <i>Excitable systems in bidimensional turbulence</i>
14:00 – 14:15	Gianmaria Falasco <i>Non-isothermal Brownian motion</i>
14:15 – 14:30	Guglielmo Saggiorato <i>Flexible filaments and spermatozoa</i>
14:30 – 14:45	Caterina De Bacco <i>The cavity method in routing optimization problems on networks</i>
14:45 – 15:00	Stefano Zamuner <i>Protein fibrils – simple models for the study of a complex system</i>
15:00 – 15:15	Francesca Rizzato <i>Disentangling protein evolution from DNA evolution</i>
15:15 – 15:30	Giulia Foffano <i>Understanding the self-assembly of actin filaments into high order structures</i>
15:30 – 16:00	C o f f e e B r e a k
16:00 – 16:15	Edoardo Sarti <i>Predicting native docking poses through statistical potentials</i>
16:15 – 16:30	Giulio Vandin <i>Phase separation and reaction diffusion on curved membranes</i>
16:30 – 16:45	Jacopo Grilli <i>Emergence of criticality in communities of living systems</i>
16:45 – 17:00	Damiano Buratto <i>Conductance and permeation properties of WT and mutant gap-junction channels: a molecular dynamics approach</i>
17:00 – 17:15	Guido Polles <i>Optimizing the self-assembly of knotted constructs by tuning the building block geometry</i>
17:15 – 17:30	Patrick Rebeschini <i>From statistical mechanics to machine learning: how to exploit decay of correlations properties to design big data algorithms</i>
17:30 – 18:30	S p r i t z s e s s i o n

Comitato Organizzatore:

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