

FRICITION and WETTING

Aula Giambiagi

ICTP Adriatico Guesthouse, Grignano (TS)

May 21-25 2007

Tentative schedule

	Mon	Tue	Wed	Thu	Fri
9.30-10.30	Giacomelli	Giacomelli	Giacomelli	Giacomelli	Giacomelli
Coffee					
11.00-12.00	Qian	Quéré	Brochard-Wyart	de Gennes	Yeomans
Lunch					
14.00-15.00	Quéré	Qian		Yeomans	Monroe
Coffee					
15.30-16.30	Noda	Noda			Ciavarella
			Trip and Dinner		

Lecture titles

F. Brochard-Wyart, Stick-slip: wet versus dry

P.-G. de Gennes, Stick-slip: the onset of decohesion

L. Giacomelli, Five lectures on wetting

H. Noda, Frictional constitutive law, instability, and dynamic rupture propagation

T. Qian, Contact line dynamics: molecular dynamics and continuum models

D. Quéré, Wetting on rough surfaces: the experimental picture

J. Yeomans, Lattice Boltzmann simulations of multiphase fluids and drops on patterned surfaces

Contributed talks

M. Ciavarella, Rough contact mechanics, friction and instabilities

C. Monroe, Electrowetting with electrolytes: a microfluidic system with unique properties