



***September 23rd***

***Morning Session***

Chair:

8.30-9.30	<i>Registration</i>	
9.30-9.50	Opening address with LNF Director and Welcoming address with Mayor of Frascati	
9.50-10.45	Nanomechanics and Nanotribology I	J. Chevrier
10.45-11.25	<i>Technology Workshop and Coffee</i>	
11.25-12.20	Theory of Spin and Charge Transport in Nanoconductors: part I	L. Balents
12.20-13.15	Band structures of carbon nanotubes	Jueyon Yi
13.30-14.30	<i>Lunch</i>	

***Afternoon Session***

Chair:

14.45-15.40	Formation of Nanostructures at surfaces	B. Voigtlaender
15.40-16.35	Carbon Nanotube Junctions and Devices - tunneling transport	H. Postma
16.35-17.20	<i>Technology Workshop and Coffee</i>	
17.20-18.15	Electrical transport in nanocrystalline iron: grain boundary magnetoresistance	A. Hernando
19.00	<i>Welcome Party</i>	



## *September 24th*

### *Morning Session*

Chair:

9.45-10.40	Nanomechanics and Nanotribology II	J. Chevrier
10.40-11.10	<i>Coffee</i>	
11.10-12.05	Theory of Spin and Charge Transport in Nanoconductors: part II	L. Balents
12.05-13.0	Scattering theory and transport	Jueyon Yi

### *Afternoon Session*

Chair:

14.45-15.40	Fundamental processes in Si/Si and Ge/Si epitaxy studied by STM during growth I	B. Voigtlaender
15.40-16.35	Carbon Nanotube Junctions and Devices - tunneling transport	H. Postma
16.35-17.05	<i>Coffee</i>	
17.05-18.00	Magnetic interactions between Co-nanocrystal and the soft amorphous matrix. Magnetism of iron nanoparticles embedded in a sugar matrix	A. Hernando



## *September 25th*

### *Morning Session*

Chair:

9.45-10.40	Single electron injection and detection in nanostructures	J. Chevrier
10.40-11.10	<i>Coffee</i>	
11.10-12.05	Theory of Spin and Charge Transport in Nanoconductors: part III	L. Balents
12.05-13.00	Magnetism of metal atoms, clusters and overlayers on surfaces	P. Gambardella
13.30-14.30	<i>Lunch</i>	

### *Afternoon Session*

Chair:

14.45-15.40	Fundamental processes in Si/Si and Ge/Si epitaxy studied by STM during growth II	B. Voigtlaender
15.40-16.35	Applications of fractal surfaces and growth erosion: basic properties	U. Valbusa
16.35-17.05	<i>Coffee</i>	
17.05-18.00	Growth of nanostructured surfaces and ionic erosion	U. Valbusa
20.00-23.00	<i>Social Dinner</i>	



## *September 26th*

### *Morning Session*

9.45-10.40	Carbon Nanotube Junctions and Devices - nanotubes as NEMS	H. Postma
10.40-11.10	<i>Coffee</i>	
11.10-12.05	Mechanical properties of thin films and nanostructures	U. Valbusa
12.05-13.00	Magnetism of metal atoms, clusters and overlayers on surfaces	P. Gambardella
13.30-14.30	<i>Lunch</i>	
14.30	<i>End of School</i>	