

PROGRAM

Sunday 23 Sept

19:00 Registration - Welcome party

Monday 24 Sept

9:00 – 9:15	C.Boragno	Introduction to workshop
9:15 – 10:00	Chason	Ion Beam Patterning in the Linear Instability Regime: Kinetic Mechanisms, Persistent Puzzles and New Directions
10:00 – 10:25	Keller	<i>Evolution of ion induced ripple patterns on silicon surfaces</i>
10:30 – 11:00		Coffee break
11:00 – 11:45	Cuerno	Continuum models of nanopattern formation by ion-beam sputtering: recent developments
11:45 – 12:10	Heinig	<i>Driving forces of ion-beam-induced nanopatterning</i>
12:30		Lunch
14:30 – 15.15	Buatier	Nanoscale ion patterning of metal surfaces: from single crystals to supported films
15:15 – 16:00	Ziberi	Ion induced self-organization on flat and pre-patterned Si and Ge surfaces
16:00 – 16:30		Coffe break
16:30 – 16:55	Repetto	<i>To be defined</i>
16:55 – 17:40	Redinger	NANOSTRUCTURES BY GRAZING INCIDENCE IONS: FROM SINGLE ION IMPACTS TO THREE DIMENSIONAL RIPPLE PATTERNS
17:40 – 18:25	Kim	Nano-patterning by dual ion beam sputtering
20:00		Dinner

Tuesday 25 Sept

9:00 – 9:45	Kalyanaraman	Self organization of metal nanopatterns through laser induced hydrodynamic flow: an experimental and computational study
9:45 – 10:30	Montalenti	Multiscale modeling of Ge islands on Si(001): stability, morphology, elastic relaxation, and dislocation injection
10:30 – 11:00		Coffee break
11:00 – 11:25	<i>Rossi</i>	<i>Computational study of metal clusters on MgO(100)</i>
11:25 – 12:10	Hofer	Ion bombardment induced nanostructures as templates for nanomagnet arrays
12:30		Lunch
14:20 – 14:45	<i>Rodriguez</i>	<i>Plastic properties of gold surfaces nanopatterned by ion Bombardment</i>
14:45 – 15:10	<i>Heinig</i>	<i>Thin film patterning by surface-plasmon-induced thermocapillarity</i>

15:10 – 15:35	<i>Moroni</i>	<i>Magnetic anisotropy in ion-sculpted magnetic films</i>
15:35 – 16:00	<i>Plantevin</i>	<i>Magnetic anisotropy control of nanometric objects using ion irradiation</i>
16:00 – 16:30		Coffe break
16:30 – 17:15	Metzger	In-situ and ex-situ x-ray measurements of semiconductor surfaces nano structured by ion beam erosion
17:15 – 17:35	<i>Carbone</i>	<i>Real-time study of ripple formation during ion sputtering by in-situ x-ray scattering techniques</i>
17:35 – 18:00	<i>Felici</i>	<i>In-situ study of the dewetting behavior of Ni-films on oxidized Si(001) by GISAXS</i>
18:00 – 18:25	<i>Coraux</i>	<i>Vertical correlation of GaN quantum dots in multilayers studied by in situ grazing incidence resonant x-ray scattering</i>
18:25 – 18:50	<i>Bikondoa</i>	<i>Grazing incidence scattering of coherent X-rays from a GaSb surface nanostructured by Ion Beam Sputtering</i>
20:00		Dinner
21:30		Poster + drink

Wednesday 26 Sept

9:15 – 10:00	Wang	Impurity induced surface phenomenon: reconstruction and growth
10:00 – 10:25	<i>Van Gastel</i>	<i>Phase transitions and pattern formation in Bi/Cu(111): true hard hexagon behavior</i>
10:30 – 11:00		Coffee break
11:00 – 11:45	Szymonski	Controlled Nanopatterning of Ionic Insulators with Ions, Electrons and UV- photons
11:45 – 12:10	<i>Wormeester</i>	<i>Ripple growth and orientation during grazing incidence deposition</i>
12:30		Lunch
14:00		Free time - Excursion
20:30		Social Dinner

Thursday 27 Sept

9:15 – 10:00	Bovino	Nonlinear Inequalities and Entropy-Concurrence Plane
10:00 – 10:25	<i>Toma</i>	<i>Nanostructured metallo-dielectric interfaces with tunable optical anisotropy</i>
10:30 – 11:00		Coffee break
11:00 – 11:25	<i>Mussi</i>	<i>Broad band light-emitting substrates by ion beam nanostructuring</i>
11:25 – 11:50	<i>Everts</i>	<i>Optical anisotropy induced by ion bombardment of Ag(001)</i>
11:50 – 12:35	Garcia	Optical Properties of multi-metal nanocomposites
12:35 – 12:45	C.Boragno	Concluding remarks
12:45		Lunch - Departure