Program

Sunday, 30 August 2009		
19:00	Welcome reception	
Monday, 31 August 2009		
9:00	Welcome	
	Continuum Theory	
9:15	Scott Norris	*From Crater functions to Phase Diagrams: linking MD and PDE*
10:00	Javier Muñoz-García	*Quantitative description of IBS nanopattern dynamics through an effective interface equation*
10:25	Coffee	
10:55	Stefan J. Linz	*Continuum modeling of surface patterning by ion-beam erosion*
11:20	Geza Odor	*Surface pattern and scaling study using lattice gas models*
11:45	Reiner Kree	*From Kinetic to Continuum Theory of Ion Beam Sputtering: Beyond Bradley-Harper*
12:10	Lunch	
	Metals	
13:40	Maria Stepanova	*Ion beam sputtering nanopatterning of thin metal films*
14:25	Jihyun-H. Kim	*Fabrication of Ordered Nano-Structures by Sequential Ion Beam Sputtering*
14:50	Tomas Skeren	*Modification of the Ni surface morphology by low energy Ar^+ ion bombardment*
15:15	Coffee	
15:45	Debabrata Ghose	*IBS nanostructuring of polycrystalline metal films: the role of incidence angle and surface roughness*
16:30	Alex Redinger	*Making channeling visible*
16:55	Yudi Rosandi	*Anisotropic damage creation by sub-surface channeled ions*
17:20	Herbert Wormeester	*Single ion impact on Cu(001): Amorphisation, channeling and focusons*
18:00	Dinner	
	Evening lecture	
19:30	Peter Gnauck	*The Orion He-Ion Microscope: A new tool for high resolution material analysis*
Tuesday, 1 September 2009		
	Insulators	
9:00	Thorsten Peters	*Patterning of insulating surfaces by electronic excitation (swift heavy ions)*

9:45	Jens Völlner	*Erosion mechanism on fused silica during low-energy ion beam sputtering*
10:10	Franciszek Krok	*Ballistic versus electronic processes in ion-induced nanostructuring of ionic surfaces*
10:35	Coffee	
	Growth	
11:05	Bert Voigtländer	*Formation and Characterization of Si/Ge Nanostructures at the Atomic Level*
11:50	Christian Teichert	*Mound formation in organic thin film growth on ion bombarded mica*
12:15	Lunch	
	Atomistic Modelling	
13:45	Wolfgang Eckstein	*Ion-surface interaction*
14:30	Bartosz Liedke	*Ion-induced surface pattern evolution in computer simulations with a new approach - unification of collision cascade and kinetic 3D Monte Carlo calculations*
14:55	Peter Süle	*The molecular dynamics simulation of ion-induced ripple growth*
15:20	Coffee	
	Codeposition	
15:50	Hans Hofsäss	*Surfactant sputtering*
16:35	Sven Macko	*Ion beam pattern formation on Si(001) with and without codeposition*
17:00	Raul Gago	*Tuning the morphology of silicon surface nanopatterns induced by low-energy ion beam sputtering with simultaneous metal incorporation*
17:45	Jing Zhou	*Low energy ion sputtering on Si surfaces: roughening versus smoothening*
18:30	Dinner	
19:30	**Poster Session**	
Wednesday, 2 September 2009		
	Applications	
9:00	Tom Oates	*Anisotropic plasmonic nanostructures from ion-beam sputtered ripple-templates: production and optical characterization*
9:45	Andrea Toma	*IBS synthesis of metal /polymer nanowire arrays with anisotropic plasmonic properties and non-linear optical activity*
10:30	Coffee	
11:00	Frank Everts	*Optical Anisotropy Induced by Oblique Incidence Ion Bombardment of Ag(001)*
11:25	Jürgen Fassbender	*Nanomagnets - created and tailored by ions*

12:10	Lunch	
19:00	Conference dinner	
Thursday, 3 September 2009		
Semiconductors		
9:00	Lumin Wang	*Patterned Nanostructures by Energetic Particle Beam Irradiation*
9:45	Sebastien Le Roy	*Self-sustained etch masking: a new concept to initiate the formation of nanopatterns during ion erosion.*
10:10	Indra Sulania	*Surface Patterning on Indium Phosphide with Low Energy Bombardment : An Evolution from Nanodots to Nanoripples*
10:35	Coffee	
11:05	Frank Frost	*Patterning of Si surfaces by ion beam erosion: processes and applications*
11:50	Andreas Biermanns	*Influence of the ion distribution on shape and damage in Xe-induced ripples on Si*
12:15	Farewell	
12:30	Lunch	