

Poster Session IA Surface Structure and Morphology

Name	Title	Organization
Arnold, Craig B	New model for dopant segregation during vapor phase growth	Harvard University
Arsic, Jelena	Compression versus expansion on ionic crystal surfaces	University of Nijmegen
Borango, Corrado	Early stages of the growth of mounds/ripples	Universeita Di Genova
Einstein, Theodore L	Steady-state step fluctuations of high-T vicinal Si(111) using REM: Comparison with equilibrium, and novel investigation of step-step correlation functions	University of Maryland
Hannon, James B	The structure and evolution of Si(111) near Tc	IBM Research Division
Hussy, Stephen	Homoepitaxy of CuInSe ₂ by the stacked elemental layer process	Friedrich-Alexander University
Ichimiya, Ayahiko	Thermal relaxation of silicon mounds on silicon surfaces with several adsorbates by STM	Nagoya University
Kalem, Seref	Porous silicon growth from vapor phase etchants	Tubitak
Kwon, Yong-II	Meso-scale continuum model for the growth of a vicinal facet from solution	University of Minnesota
Leonyuk, Nikolaii	Structural aspects in crystal growth mechanisms: fluxed melts, hydrothermal systems, aqueous solutions	Lomonosov Moscow State University
Pelz, Jon P	Enhanced terrace stability for preparation of step-free Si(001)-(2×1) surfaces	Ohio State University
Richards, Howard L	Determining step interaction functions from terrace width distributions (TWDs) of vicinal crystal surfaces	Texas A&M University
Rustad, James R	Molecular simulation of chemical speciation on complex oxide surfaces	Pacific Northwest National Lab
Shenoy, Vivek B	Bunch phases on vicinal surfaces	Brown University
Villacampa, Ana I	Surface dynamics in a model biomaterial: Brushite	Lawrence Livermore National Lab
Zhao, Yiping	Morphological evolution in growth/etch fronts at far-from-equilibrium	Rensselaer Polytechnic Institute

Poster Session IB Thin Films and Monolayers

Name	Title	Organization
Cai, Chengzhi	Ring formation in spin-coated thin films of carbosilane dendrimers	University of Houston
Donner, Wolfgang	Diffuse scattering from dislocation strain fields: Nb on sapphire as a model system	University of Houston
Freeman, Joseph W	Molecular basis for collagen mineralization and elastic energy storage	UMDNJ-Robert Wood Johnson Medical School
Glew, Maria R	Highly oriented TiN films on amorphous substrates	University of Cambridge
Gopalakrishnan, R	Photochemical deposition of II-VI compound semiconductor thin films of ZnS and CdS from aqueous solution	Anna University
Haycock, Peter W	Tailoring the growth process during MOCVD of cobalt films to control their magnetic properties	Keele University
Kolosov, Vladimir Yu	Crystal growth in amorphous films: unusual crystalline structures with new solid state order revealed by electron microscopy	Ural State Economic University
Lamelas, Frank	Crystallographic tilting during heteroepitaxial growth of rubidium iodide on mica	Boise State University
Padowitz, David	Molecular tracer dynamics in crystalline organic films at the solid-liquid interface	Amherst College
Ramoino, Luca	Molecular adsorption and motion in a 2D gas-solid equilibrium	Universitaet Basel
Ramoino, Luca	STM of organic molecules adsorbed on metallic surfaces	Universitaet Basel
Rocher, Andre	Misfit dislocations in III-V semiconductor (001) heterostructures	CEMES-CNRS
Shiljaev, Pavel	Surface topography and fractal dimension of Si films of various crystallinity	UNN
Shiraishi, Kenji	Design of a semiconductor ferromagnet in a quantum dot array	University of Tsukuba
Shiraishi, Kenji	Microscopic and macroscopic studies on heteroepitaxy of InAs/GaAs(110)	University of Tsukuba
Tautz, Stefan	Epitaxy and nanostructured self-assembly of PTCDA molecules on Ag(111) surfaces	Technische Universitat Ilmenau
Willmott, Phillip R	Materials by design: control of film stoichiometry by decoupling plasma and surface processes in pulsed laser deposition of transition metal carbonitrides	University of Zurich
Wolf, Kurt	Low energy ion surface collisions used to study the odd-even effect of SAMS	Princeton University
Yun, Jungheum	A kinetic model of diamond nucleation and silicon carbide interlayer formation during chemical vapor deposition	Colorado State University

Poster Session IIA Nucleation and Growth

Name	Title	Organization
Amar, Jacques G	Rate equation approach to island capture zones and island size distributions in submonolayer growth	University of Toledo
Chan, Ally Sy	Interface effects on the structure and organization of nanostructures	Harvard University
Chusuei, Charles C	Calcium phosphate crystal growth at the onset of nucleation and growth on artificial implant surfaces	Texas A & M University
Filatov, Dmitry	The formation of fractal Au nanoclusters on HOPG surface during pulsed laser deposition	University of Nizhnyn Novogorod
Galkin, Oleg	Phase transitions in protein solutions: structures, dynamics, and control strategies	University of Alabama
Kyuno, Kentaro	Cluster diffusion and disassociation on Pt(111) and Ir(111)	University of Tokyo
Li, B.-O.	Self-similar growth of nanometer-sized Ag islands on hydrogen-terminated Si(111) surfaces	University of Illinois
Liu, Da-Jiang	Atomistic and coarse-grained continuum modeling of nanostructure evolution in epitaxial thin films	Iowa State University
Petersen, Max	Level sets reversible island growth	UCLA/Georgia Tech
Piaszenski, Guido H	Diffusion and growth behavior on bcc(110) and (100) surfaces studied by in-situ STM and Monte Carlo simulations	Ruhr-Universitaet Bochum
Pushkin, Mikhail A	The formation of fractal Au nanoclusters on HOPG surface during pulsed laser deposition	Moscow Engineering Physics Institute
Ratsch, Christian	The level-set method for modeling epitaxial growth	UCLA
Richter, Gunther	Pd on SrTiO ₃ (001): Determination of the activation energies of diffusion and adsorption from nucleation island densities	Max-Planck-Institut Fur Metallforschung Stuttgart
Roelofs, Lyle	Mechanisms of hole formation in metal-on-metal epitaxial systems: Rh/Ag(001)	Haverford College
Wall, Marcel A	Nucleation and growth of TiN(001) by reactive magnetron sputtering	University of Illinois
Warrender, Jeffrey	Morphological evolution of Ag films on mica grown by pulsed laser deposition	Harvard University
Wu, Qifei	Preferential nucleation of metal nanoclusters on S(4x4)/W(111)	Rutgers University
Yau, S. T.	Direct visualization of nucleus structure and nucleation pathways in apoferritin crystallization	University of Alabama
Zhu, Xiangdong	Growth of rare gas on commensurate and incommensurate metal substrates as a model system for heteroepitaxy	University of California-Davis

Poster Session IIB Epitaxial Nanostructures

Name	Title	Organization
Baski, Alison A	I-D nanostructures grown on Si surfaces	Virginia Commonwealth University
Bennett, Peter	Nucleation and growth of titanium silicide islands on Si(100) studied by STM.	Arizona State University
Bennett, Peter	Evolution of surface stress during growth of cobalt silicide islands by reactive deposition	Arizona State University
Bommisetty, Venkateswara	Initial stages of InSb growth on Si	Toyama University
Budiman, Roes A	Island size distributions of ripened $\text{Si}_{1-x}\text{Ge}_x/\text{Si}(001)$ islands	University of Toronto
Heyn, Christian	Kinetics during strain-induced formation of InAs quantum dots	University of Hamburg
Kaganer, Vladimir M	Strain-mediated phase coexistence in heteroepitaxial films	Paul-Drude-Institute for Solid State Electronics
Kaganer, Vladimir M	Strained islands as step bunches: energetics and growth kinetics	Paul-Drude-Institute for Solid State Electronics
Koehler, Ulrich	The kinetics of iron silicide formation on Si(111) and high index Si-surfaces studied with high temperature STM	Ruhr Universitat Bochum
Kusmin, Mikhail V	Formation of rare earth silicides on Si(111)	A.F. Ioffe Physico-Technical Institute
Liliental-Weber, Zuzanna	TEM characterization of GaN nanowires	Lawrence Berkeley National Lab
Millunchick, Joanna	The effect of In segregation on lateral composition modulation	University of Michigan
Millunchick, Joanna	Island and pit nucleation in InGaAs/GaAs films	University of Michigan
Park, Jeong Y	STM fabrication and characterization of nanodots on silicon surfaces	Laboratory for Physical Sciences
Raviswaran, Arvind	Evolution of three-dimensional islands during Si/Ge(111) epitaxy	University of Illinois
Schwarz-Selinger, Thomas	Diffusion and denuded zones in Stranski-Krastinow growth of Ge on Si(001)	University of Illinois
Sunkara, Mahendra	A novel low temperature vapor-liquid-solid method for bulk synthesis of silicon nanowires	University of Louisville