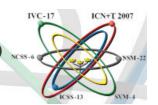


17th International Vacuum Congress (IVC-17)
13th International Conference on Surface Science (ICSS-13)
International Conference on Nano Science and Technology (ICN+T 2007)
6th Nordic Conference on Surface Science (NCSS-6)

6th Nordic Conference on Surface Science (NCSS-6)
22nd Nordic Semiconductor Meeting (NSM-22)
4th Swedish Meeting on Vacuum and Materials Science (SVM-4)



List of topics

Upon submission, indicate on the form one of the following topics that best describes the abstract

Applied Surface Science (ASS)

001	Adhesion
002	Biomaterials
003	Catalytic materials and catalysis
004	Characterization of nanomaterials
005	Complex Surfaces using Synchrotron Radiatio
006	Environmental analysis
007	High pressure surface studies
800	Heritage and conservation
009	Imaging
010	Oxidation and corrosion
011	Polymeric materials
012	Quantification and data interpretation
013	Reference Materials and standardization

Surface modification and functionalization

015 Thin films and depth profiling

016 Tribology

014

Electronic Materials and Processing (EMP)

017	Fundamental mechanisms in dry etching
018	New developments in lithography
019	Fundamental properties of superlattices
020	Applications of high speed semiconductors
021	Metal/semiconductor interfaces
022	Ferroelectric materials
023	Applications of opto-electronics
024	Silicides and interconnects in VLSI
025	Films: Epitaxial growth
026	Thin insulators for photovoltaic and thin film display applications
027	Semiconductor surfaces quantum well structures
028	Heteroepitaxy
029	Chemical vapor deposition
030	Wide band gap semiconductors
031	Narrow band gap semiconductors
032	High k dielectrics

Nano Science (NS)

052

033	Spin-sensitive SPM probing
034	Tunneling spectroscopy
035	SPM and electrical probes
036	STM induced light emission
037	Noncontact force microscopy
038	Low temperature SPM
039	High frequency SPM
040	Novel SPM techniques
041	Multiprobe SPM
042	Ultrasonics and AFM
043	Single atom and single molecule manipulation
044	Nanostructuring
045	NEMS
046	Nanotribology
047	Nearfield optical spectroscopy
048	Optical tweezers
049	Bio-molecular interactions
050	Imaging of biomolecules, membranes and cells
051	Biological motors

Nano-implants and protheses

053	Bio-nano-sensors
054	Microfluidics and lab on a chip
055	Nanowires
056	Electrical transport through molecules
057	Molecules on surfaces
058	Novel circuit architecture
059	Spins and spin-qubits in quantum dots, decoherence of qubits
060	Spin detection, spin injection and spin transport
061	Control of nuclear spins
062	Superconducting qubits
063	Spin-optoelectronics
064	Spin hall effect and magnetic semiconductors
065	Self-assembly and self-organization
066	Clusters, nanoparticles and nanotubes
067	Metals, semiconductors and insulators
068	Magnetic structures and superconductors
	5
Plasma	a Science and Technology (PST) (see also Fusion)
069	Plasma deposition
070	Plasma-surface interactions
071	Atmospheric type discharges
072	Micro discharges and related industrial applications
073	Plasma processes for sterilization/cleaning especially in biological applications
073	Plasma monitoring and simulation
075	Plasma treatments of resists/organic films and Line Edge Roughness
076	EUV and X-ray plasma technology
077	Plasma etching
078	Technological plasmas
Surface	e Science (SS)
Juliace	e science (33)
079	Adophato dunamics and ceattering
	Adsorbate dynamics and scattering
080	Atomic manipulation
081	Chemical reactions
082	Diffusion and growth
083	Electronic structure
084	Electronic structure, semiconductors
085	Surface electronic structure and strongly correlated systems
086	Environmental and biological surface science
087	Geometric structure
088	Liquid-solid and liquid-liquid interfaces
089	Magnetic properties of surfaces
090	New method and techniques in surface science
091	Oxide surfaces
092	Photon or electron induced and ultrafast processes
093	Phase transitions, statistical mechanics and thermodynamics
094	Sliding friction, tribology, fracture
095	Small particles, clusters and novel structures
095	Small particles, clusters and nover structures
Thin Fi	Ilm and Surface Engineering (TF & SE)
096	Fundamentals in thin film growth (nucleation and growth, experimental and modelling)
097	Fundamentals in thin film processing: CVD coatings and technologies
098	Fundamentals in thin film processing: Ionized-PVD techniques for thin film deposition
099	Fundamentals in thin film processing: Atomic layer deposition and applications
100	Fundamentals in thin film processing: Reactive sputtering
101	Thin films for energy applications (solar cells, fuel cells, hydrogen storage, batteries, electrochromic devices)
102	Magnetic thin films and applications
103	Physics and chemistry of protective films (wear, barrier, heath)
104	Micromechanical properties and adhesion of thin films
105	Optical coatings
106	Advances in situ and ex situ thin film characterization
107	Dielectric and multi-functional compound growth and processing (oxides, nitrides)
108	Compositionally-modulated and nanostructured thin films
109	Polymeric, organic and bio-related thin films
110	Vacuum melting, refining and allied techniques
111	Metals recovery, powder processing and product characterization
112	Other coatings for science and technology
113	Tribology, corrosion, high temperature oxidation
114	Design of large scale vacuum processing equipment
115	High rate thin film deposition

Vacuum Science and Technology (VST)

- 116 Vacuum measurement and calibration (total pressure, partial pressure, residual gas analysis)
- Vacuum pumps and hardware, vacuum in industry (Semiconductor & functional coating systems and processes, handling of toxic and corrosive gases, safety and quality control)
- Vacuum systems (design, modeling, simulation, accelerators, large systems)
- Outgassing and adsorption/desorption phenomena, water in vacuum systems
- Gettering related phenomena and applications (NEG coatings and applications)
- 121 Sealed and insulation vacuum systems and leak detection (Vacuum packaging and MEMS/NEMS)
- 122 Vacuum gas dynamics and gas flow (Molecular flow and plasma flow simulation and its application)
- Vacuum in space research. Special vacuum issues in high energy physics research (new accelerators, particle-induced outgassing...)

Other Special Sessions (OSS)

- 124 Education in nano and vacuum based science
- 125 Outreach and industrial

Fusion (F)

- 126 Large fusion devices
- 127 Plasma-wall interactions related to fusion
- 128 Plasma operation with High-Z and Low-Z materials environment
- 129 Plasma diagnostics for fusion applications
- 130 Laboratory-scale experiments relating to fusion

Free Electron Laser Session (FEL)

- 131 Science at free electron lasers (FEL)
- 132 FEL technology
- 133 X-ray optics and detectors for FEL
- 134 FEL theory

Advanced Synchrotron Radiation Session (ASR)

- 135 Micro- and nanofocussing
- 136 Coherent radiation and new synchrotron radiation sources
- 137 Studies of dynamic processes with synchrotron radiation
- New possibilities for studies of magnetism
- 139 Developments in X-ray scattering techniques
- 140 Technical improvements of synchrotron radiation sources
- 141 Low temperature scanning PROBE microscopy