



14<sup>th</sup> INTERNATIONAL CONFERENCE ON  
**SURFACE MODIFICATION OF MATERIALS BY ION BEAMS**

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## PRELIMINARY TIME SCHEDULE

[DAY 1](#) - [DAY 2](#) - [DAY 3](#) - [DAY 4](#) - [DAY 5](#)

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### SALOON B TIME SCHEDULE

DAY 2 - SEPTEMBER 06, 2005 - TUESDAY	
TIME	PROGRAM
8:20-8:50	MP3: session chair: John Baglin PLENARY 1: G.K. Hubler: The Status of Condensed Matter Nuclear Science-aka "Cold Fusion"
8:50-9:15	MP-O10: N. Matsunami: N ion irradiation enhancement of photocatalytic activity of NiO-loaded TiO2
9:10-9:30	MP-O15: Bernard Terreault: Systematics of the Giant Isotope Effect in Hydrogen Blistering of Materials
9:30-10:00	PLENARY 2: Jirohta Kasagi: Low energy nuclear Cross-Sections in Metals
10:00-10:30	<b>Coffee Break</b>
10:30-11:00	N1: session chair: W. Ensinger N-I1: Daryush Ila : Application of Ion Beam in Production of nanoscale nanomaterials
11:00-11:20	N-O17: C. Ballesteros : New Method for "In Situ" Nanocomposite Formation in Low-Energy Nitrogen Ion Implanted V-Ti Alloys
11:20-11:40	MP-O16: Rafi Kalish : The effect of low energy single ion-impact on the emission of secondary electrons from hydrogenated diamond surfaces
11:40-12:00	N-O11 : Raşit Turan: Structural and Optical Properties of Si and Ge Nanocrystals embedded in SiO2 matrix by Ion Implantation
12:00-12:30	N-I2: Michael Aziz: Nanoscale Morphology Control Using Ion Beams with Applications in Materials and Life Sciences
12:30 -14:00	<b>Lunch</b>
14:00-14:30	N2: session chair: Hisato Ogiso N-I3: Naoki Kishimoto: Control of Metal Nanoparticles in Insulators by Electronic Excitation and its Application for Nonlinear Optics
14:30-14:50	N-O8 : Peter Varga: Ion beam induced magnetic structures in ultrathin Fe films
14:50-15:10	N-O5 : Jim Williams: Ion-beam-induced formation of nanocavities and nanoparticles of controlled size in Si and SiO2
15:10-15:30	N-O1 : Jinghao He: Bombardment Induced Compositional Modulations in the Film Growth
15:30 -16:00	<b>Coffee Break</b>
16:00-16:20	MP4 : session chair: Xiubo Tian MP-O7: Edgar Richter: Improvement of the oxidation resistance of TiAl
16:20-16:40	MS-O3: Kappertz, O. : Ion implantation effects in reactive sputter deposition

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VENUE



16:40-17:00	MP-O12: Millard-Pinard: Origin of the hydrogen involved in iron corrosion under irradiation
17:00-17:30	MP-I3: Baixing Liu: High-Spin Ferromagnetic State of fcc Fe in the Metastable Fe-Ag(Au) Alloys Synthesized by Ion Beam Mixing
17:30-19:00	<b>Coffee break</b>
	<b>POSTER SESSION (2)</b>

**MP:** (MP-P1 - MP-P63) Materials and Properties (63 posters)

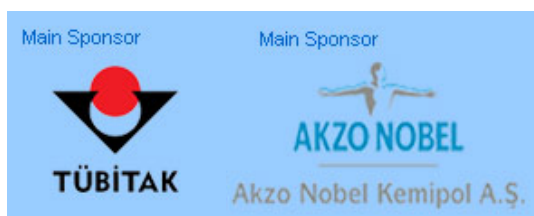
(2) All **MP posters** (Materials and Properties) should be posted on **Teusday September 06, 2005**

### SALOON C TIME SCHEDULE

DAY 2 - SEPTEMBER 06, 2005 - TUESDAY	
TIME	PROGRAM
14:00-14:20	TE: session chair: Shulov Vaycheslav TE-O6 : Noriaki Toyoda: mgf2 and laf3 film formation with gas cluster ion beam assisted deposition
14:20-14:40	TE-O8 : Kyu-Yong Lee: Tribological characteristics DLC Al2O3 prepared by PIID and magnetron sputtering deposition
14:40-15:00	TE-O5 : Igor Krinberg: Control of ion charge states in vacuum arc ion source by imposition of a non-uniform magnetic field
15:00-15:20	MS-O2 : Sachiko T. Nakagawa: Detection of planar defects caused by ion irradiation in Si using molecular dynamics
15:30-16:00	<b>Coffee break</b>
16:00-16:20	MS: session chair: Peter Varga MS-O5: Z.B.Guvenc : Molecular dynamics simulation ion-surface collision: Ar+ - x(100)(x=Ag, Al, Au, Cu, Ni, Pd and Pt)
16:20-16:50	MS-O4: K.G. Kostov : Numerical simulation of magnetic field enhanced plasma immersion ion implantation
16:50-17:10	MS-O1: Kuzmin, V. : Calculations on range parameters of heavy ions in carbon using ab initio potentials
	<b>POSTER SESSION (2)</b>

**MP:** (MP-P1 - MP-P63) Materials and Properties (63 posters)

(2) All **MP posters** (Materials and Properties) should be posted on **Teusday September 06, 2005**



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