

European Conference on Applications
of Surface and Interface Analysis

ECASIA'05

Vienna, September 25–30, 2005

Programme Schedule and Book of Abstracts

Monday - Poster Session I
poster area 16:40–19:00

- Mon-BIO-08(75) Improving the Interpretation of TOF-SIMS and Laser-SNMS Measurements on Proteins with PCA
C. Brüning, S. Hellweg, S. Dambach, D. Lipinsky, H.F. Arlinghaus
- Mon-BIO-09(76) Imaging of Atomic and Molecular Species in Tissue with Laser-SNMS for pharmaceutical studies
C. Kriegeskotte, J. Möller, D. Lipinsky, A. Wittig, W. Sauerwein, J. Haier, H.F. Arlinghaus
- Mon-BIO-10(76) Ways to Decrease the Adhesion of *Pseudomonas Aeruginosa* Bacteria to the Surfaces of Endotracheal Tubes
M. Ramstedt, H.J. Mathieu
- Mon-BIO-12(77) Exploring Cylindrical- and Ring-Like Tubulin Assemblies used as Biomolecular Metallization Templates
W. Habicht, S. Behrens, E. Unger, E. Dinjus
- Mon-BIO-13(77) Synthesis, morphological and structural characterization of new collagen biocomposites for medical applications
L. Baia, V. Trandafir, A. Peter, V. Cosoveanu, M. Baia, E. Indrea, V. Danciu
- Mon-BIO-14(78) Simple Surface Treatments to Modify Protein Adsorption and Cell Attachment Properties Within a Poly(Dimethylsiloxane) Micro-Bioreactor
K.J. Boxshall, M.-H. Wu, J.F. Watts, M.A. Baker, X. Xu, Z. Cui
- Mon-BIO-16(78) Preparation of human-IgM rheumatoid factor Elisa kit by utilizing micro titer activated by Gamma rays
F.H. Al-Dafae, R.A. Al-Bayti, A.M. Al-Hasnawy
- Mon-BIO-17(79) Surface characterization of the Gram-positive bacteria *Bacillus subtilis*
L. Leone, J. Loring, S. Sjöberg, P. Persson, A. Shchukarev
- Mon-COR-07(79) Effect of ageing on growth's mechanisms of passive layers formed on Iron-Chromium alloys (5 to 30 Cr at%) in borate buffer solutions
M. Bouttemy, M. Bertoglio, G. Lorang
- Mon-COR-08(80) Spectro-electrochemistry and ultra-low energy dynamic SIMS spectroscopy - a synergetic combination for cultural heritage studies
M.G. Dowsett, A. Adriaens
- Mon-COR-09(80) The Relative Stability of the Bainitic Microstructure of Al-alloyed Ductile Irons at the Elevated Temperature
A.R. Kiani-Rashid, D.V. Edmonds
- Mon-COR-10(81) Interaction between ionic liquids and metal alloys for thermal application
U. Bardi, S. Caporali, F. Ghezzi, A. Lavacchi, E. Miorin, C. Pagura, I. Perissi, A. Tolstoguzov
- Mon-COR-11(81) The Influence of Carbon Steel's Cementite Phase on Electrochemical Behavior in Oxalic Medium
S.N. Saltykov, M.S. Putilina, I.V. Bespalova, S.A. Kaluzhina
- Mon-COR-12(82) Bactericide Action and Protective Efficiency of the Nitrogen Derivatives against Steel Corrosion in the Presence of CO₂ and H₂S
L.E. Tsygankova, V.I. Vigdorovich, A.V. Alyonkin
- Mon-COR-13(82) Electrochemical and XPS studies of passive film formed on stainless steels in borate buffer and chloride solution
A. Kocijan, C. Donik, M. Jenko
- Mon-COR-14(83) Comparative Study of the Corrosion Behavior of Zinc Hot-Dip Galvanized and Zinc Pack Coatings Deposited on Low Carbon Steel Substrates
N. Pistofidis, G. Vourlias, D. Chaliampalias, E. Pavlidou, G. Stergioudis, E.K. Polychroniadis

Monday - Poster Session I - continued

- Mon-COR-15(83) Effect of Simulated Marine Atmosphere on Tin Plasma Sprayed Coatings
G. Vourlias, N. Pistofigidis, D. Chaliampalias, E. Pavlidou, G. Stergioudis, E.K. Polychroniadis, D. Tsipas
- Mon-COR-16(84) Corrosion kinetics and protection of pure titanium and its alloys in aqueous NaCl solutions of different concentrations
V. Branzoi, F. Golgovici, F. Branzoi, L. Pilan
- Mon-COR-17(84) Post Treatment Auger Analysis of Ni-Cr-Fe Alloy After Exposure to Aqueous Corrosion Conditions
S.A. Wight, J.E. Maslar
- Mon-COR-19(85) Effect of the surface preparation on the evolution of the passive films formed on AISI 304L
C.M. Abreu, M.J. Cristóbal, R. Losada, X.R. Nóvoa, G. Pena, M.C. Pérez
- Mon-COR-21(85) Visualization of early stages of corrosion processes by a chemography method
M. Yelizarov
- Mon-DPR-01(86) Quantitative analysis of the Ge concentration in a SiGe quantum well: Comparison of low energy RBS and SIMS measurements
D. Krecar, M. Rosner, M. Drazler, P. Bauer, H. Hutter
- Mon-DPR-02(86) SIMS Investigations on SIMOX - and SGOI - materials
D. Krecar, R. Kögler, H. Hutter
- Mon-DPR-03(87) XPS in-depth composition study on zirconia coated steel sheet
R. López, R. Romero, F. Martín, J.R. Ramos-Barrado, D. Leinen
- Mon-DPR-04(87) Combined use of XPS, GDOES and SEM+EDS for the microchemical study of the oxide layers grown at high temperature on A 286 A superalloy
G.M. Ingo, E. Angelini, I. Calliari, M. Dabala', T. De Caro
- Mon-DPR-05(88) Comparative study of polyatomic secondary ion emission from silicon with Si_m^- and Au_m^- projectiles
S.N. Morozov, U.Kh. Rasulev
- Mon-FUN-02(88) Adsorption Structure and Thermal stability of Hydromuonic Acid on a Cu (110) Surface
S. Yagyu, M. Yoshitake, T. Chikyow
- Mon-FUN-03(89) Deposition of perfluorinated polymer coating in RF glow discharge
E. Vassallo, A. Cremona, L. Laguardia
- Mon-FUN-04(89) SIMS investigations of Isotope effects at Technogenic actions on solid surface
N.N. Nikitenkov, I.P. Chernov, Y.I. Tyurin
- Mon-FUN-05(90) Study of Ag diffusion into polyethyleneterephtalate film activated by Ar/O₂ ion bombardment
A. Macková, V. Švorčík, J. Pavlík, Z. Strýhal
- Mon-FUN-06(90) Cleaning of commercially pure Ti, Ti6Al4V and Ti3Al8V6Cr4Zr4Mo with a positive linear temperature ramp.
H.C. Swart, M.S. Dhlamini, C.J. Terblanche, J.J. Terblans
- Mon-FUN-07(91) Investigation of improved adhesion between Cu films and polyimide by PSII-EIAMAD technique
Y. Lee, J.H. Hong, H. Chun, S. Han
- Mon-MET-01(91) The Microstructural Characteristics of Al-alloyed Ductile Irons Austempered at 400°C for 100 min
A.R. Kiani-Rashid, D.V. Edmonds