
Monday, 25. 9. 2006

*TOP hotel Praha, Conference Hall IIA***Applied Surface Science**

- PM1 (Ref.: P1)** Presenting author: **Gábor Dobos**
Gábor Dobos, Katalin V. Josepovits, Ágoston Böröczki, István Csányi, György Hárs
HEAT TREATMENT OF MOLYBDENUM UNDER VACUUM CONDITIONS
- PM2 (Ref.: P2)** Presenting author: **Laslo Kotis**
L. Kotis, M. Menyhard, A. Zalar, P. Panjan
ANGULAR DEPENDENCE OF RELATIVE SPUTTERING YIELD OF CHROMIUM TO SILICON
- PM3 (Ref.: P3)** Presenting author: **Imre Kovacs**
Imre Kovács, János Kiss, Frigyes Solymosi
THE ADSORPTION PROPERTIES OF PdZn_x ALLOY ON Pd(100): PREPARATION AND CHARACTERISATION
- PM4 (Ref.: P4)** Presenting author: **Djordje Mandrino**
Djordje Mandrino, Aleksandra Kocijan, Matjaž Godec, Matjaž Torkar, Monika Jenko
AES, EDS, SEM AND XPS ANALYSIS OF THE PROTECTIVE OXIDE AND NITRIDE LAYERS FORMED ON STAINLESS STEEL DURING THERMAL TREATMENT
- PM5 (Ref.: P5)** Presenting author: **Vratislav Perina**
Peřina V., Havránek V., Starý V., Bačáková L., Zemek J., Jirka I., Jehlička J., Vorlíček V., Fencel J.
CHARACTERISATION OF LAYER ON ELECTROERODED IMPLANT SURFACE
- PM6 (Ref.: P6)** Presenting author: **Lorant Peternai**
J. Kováč , L. Peternai , I. Novotný , J. Škriniarová , L. Jánoš , A. Šatka , , A. Vincze , D. Haško , J. Jakabovič , K Shtereva
CHARACTERIZATION OF SPUTTERED ZnO/Si THIN FILMS
- PM7 (Ref.: P7)** Presenting author: **Michal Potoček**
M. Potocek , P. Babor , S. Voborny , P. Panek , J. Spousta and T. Sikola
MONITORING THE QUALITY OF A CLEANING PROCESS OF SI WAFERS BY TPMS
- PM8 (Ref.: P8)** Presenting author: **Bernard Schwarz**
B. Schwarz , C. Eisenmenger-Sittner
CONSTRUCTION OF A HIGH TEMPERATURE SESSILE DROP DEVICE
- PM9 (Ref.: P9)** Presenting author: **Matjaž Torkar**
M. Torkar , M. Lamut , A. Kocijan
AES DEPTH PROFILING OF OXIDES AND CORROSION RESISTANCE OF SHORT HEATED AISI 21 STAINLESS STEEL

Surface Science

- PM10 (Ref.: P49)** Presenting author: **Miloš Cabala**
Miloš Cabala , Kateřina Veltruská , Vladimír Matolín
ADSORPTION PROPERTIES OF Ce/Ag SYSTEM

- PM11 (Ref.: P50)** Presenting author: **Paul Frank**
P. Frank, A. Winkler
ADSORPTION, GROWTH KINETICS AND DESORPTION OF HEXAPHENYL ON/FROM
MICA(001)
- PM12 (Ref.: P51)** Presenting author: **Vaclav NEHASIL**
Igor Piš, Petr Hanyš and Václav Nehasil
XPS AND TPD STUDY OF SUPPORTED RHODIUM-VANADIUM NON-CONTINUOUS
FILM DEPOSITED ONTO gamma- ALUMINA
- PM13 (Ref.: P52)** Presenting author: **Libor Sedláček**
L. Sedláček, V. Matolín, F. Šutara, J. Libra, V. Nehasil, B. Šmíd, I. Matolínová
RESONANT PHOTOEMISSION STUDY OF METAL-DOPPED CeO₂ USING
SYNCHROTRON RADIATION
- PM14 (Ref.: P53)** Presenting author: **Ramie Sokcevic**
Damir Šokčević, Predrag Lazić, Radovan Brako
AB INITIO CALCULATIONS OF MONOATOMIC STEPS ON Cu(111) SURFACE
- PM15 (Ref.: P90)** Presenting author: **Slavomír Nemšák**
Slavomír Nemšák, Tomáš Skála, Karel Mašek, Michiko Yoshitake, Petr Hanyš, Vladimír Matolín
XPS AND LEED STUDY OF Pd AND Au GROWTH ON ALUMINA/CuAl SURFACE

Thin Films and Interfaces

- PM16 (Ref.: P54)** Presenting author: **Tihomir Car**
T. Car, N. Radic, J. Ivkov and A. Tonejc
CRYSTALLIZATION KINETICS OF AMORPHOUS Al_xMo_{1-x} THIN FILMS UNDER
ISOCHRONAL CONDITIONS
- PM17 (Ref.: P55)** Presenting author: **Miha Cekada**
M. Cekada, P. Panjan, D. Kek-Merl, M. Panjan
SEM STUDY OF DEFECTS IN PVD HARD COATINGS
- PM18 (Ref.: P56)** Presenting author: **Attila Csik**
A. Csik, G.A. Langer, G. Erdélyi, D.L. Beke, K. Vad
INVESTIGATION OF Sb DIFFUSION IN AMORPHOUS Si
- PM19 (Ref.: P57)** Presenting author: **Marcel Gillet**
E. Gillet, K. Mašek, D. Lollman, M. Gillet
EVOLUTION OF THE OXIDATION STATES AT THE WO₃ THIN FILM SURFACE DURING
ANNEALING IN GASES
- PM20 (Ref.: P58)** Presenting author: **Branislav Grancic**
Branislav Grančič, Marián Mikula, Tomaš Plecenik, Milan Držik, Miloslav Štefečka, Andrej
Plecenik and Peter Kúš
GROWTH OF TiB₂ COATINGS PREPARED BY UNBALANCED DC MAGNETRON
SPUTTERING
- PM21 (Ref.: P59)** Presenting author: **Johanes Hell**
J. Hell, E. Neubauer, C. Eisenmenger-Sittner
CONSTRUCTION, SETUP AND CHARACTERISATION OF A SPUTTERDEPOSITION-
SYSTEM FOR GRANULAR MATERIAL

- PM22 (Ref.: P60)** Presenting author: **Jan Jakabovic**
J. Jakabovič , P. Košťany , M. Kytka , O. Werzer , O. Lengyel, R. Resel , J. Kováč
PREPARATION OF THIN PARYLENE LAYERS FOR ORGANIC SEMICONDUCTOR DEVICES
- PM23 (Ref.: P61)** Presenting author: **Krunoslav Juraic**
D. Gracin , K. Juraic , A.Gajovic , P. Dubcek , I. Djerdj , N. Tomasic , S. Bernstorff
THE INFLUENCE OF POST DEPOSITION PLASMA TREATMENT ON SnOx STRUCTURAL PROPERTIES
- PM24 (Ref.: P62)** Presenting author: **Gábor Katona**
G. L. Katona , Z. Berényi , L. Péter , K. Vad
DEPTH PROFILE ANALYSIS OF ELECTRODEPOSITED NANOSCALE MULTILAYERS BY SECONDARY NEUTRAL MASS SPECTROMETRY (SNMS)
- PM25 (Ref.: P63)** Presenting author: **Miklós Kis-Varga**
M. Kis-Varga , G.A. Langer , D.L. Beke , and A. Csik
XRD STUDY OF INTERFACE PROFILES IN BINARY MULTILAYERS
- PM26 (Ref.: P65)** Presenting author: **Marijan Maček**
Marijan Maček, Miha Cekada , Peter Panjan
MONITORING OF THE MULTILAYER TIN/TICN/TIC HARD COATINGS DEPOSITION PROCESS BY MEANS OF ENERGY RESOLVED MASS SPECTROSCOPY
- PM27 (Ref.: P66)** Presenting author: **Karel Mašek**
K. Mašek, S. Nemšák, V. Matolín
STRUCTURE OF Pd/TUNGSTEN OXIDE EPITAXIAL SYSTEM
- PM28 (Ref.: P67)** Presenting author: **Marian Mikula**
Marian Mikula , Branislav Grančič , Vilma Buršíková , Adrián Csuba , Milan Držík, Andrej Plecenik and Peter Kúš
MECHANICAL PROPERTIES OF SUPERHARD TiB2 COATINGS PREPARED BY DC MAGNETRON SPUTTERING
- PM29 (Ref.: P68)** Presenting author: **Dušan Novotný**
D. Novotný , R. Hrach , , M. Kostern
CHARACTERIZATION OF OBJECTS ARRANGEMENT IN IMAGE ANALYSIS OF PHYSICAL SYSTEMS
- PM30 (Ref.: P69)** Presenting author: **Peter Panjan**
P. Panjan , M. Cekada , J. Dolinsek , B. Vrtic , A. Zalar
DIFFUSION PROCESSES DURING HEAT TREATMENT OF AL-CR-FE THIN FILMS
- PM31 (Ref.: P70)** Presenting author: **Jaroslav Pavlik**
J. Pavlik , Z. Stryhal , J. Matousek , T. Vagner
STRUCTURAL AND SURFACE STUDIES OF SnO2 THIN FILMS PREPARED BY PLASMA ASSISTED DEPOSITION TECHNIQUES
- PM32 (Ref.: P71)** Presenting author: **Claudia Riccardi**
Stefano Zanini , Claudia Riccardi , Marco Orlandi , Elisa Grimoldi
CHARACTERISATION OF SiOxCyHz THIN FILMS DEPOSITED BY LOW TEMPERATURE PECVD
- PM33 (Ref.: P72)** Presenting author: **Nicolai D. Savchenko**
A. B. Kondrat, N. D. Savchenko, T. N. Shchurova, Yu. Yu. Popovych, I. I. Opachko
ELECTRONIC STRUCTURE OF AMORPHOUS-CRYSTALLINE HETEROJUNCTION WITH NANOLAYER

- PM34 (Ref.: P73)** Presenting author: **Ákos Nemcsics**
M. Serényi , A. Csik , , Á. Nemcsics , G.A. Langer , D.L. Beke
INVESTIGATION OF THERMAL STABILITY OF THE HYDROGENATED AMORPOUS
Si/GE MULTILAYERS
- PM35 (Ref.: P74)** Presenting author: **Jiri Simek**
Jiří Šimek, Michal Kostern, Rudolf Hrach, Jiří Boldyš
DESCRIPTION OF DISCONTINUOUS AND SEMICONTINUOUS METAL FILMS BY
INTEGRAL TRANSFORM METHODS
- PM36 (Ref.: P75)** Presenting author: **Stefano Zanini**
Stefano Zanini , Claudia Riccardi , Marco Orlandi , Ruggero Barni , Luca Zoia , Valentina Ripa
CHARACTERISATION STUDY OF PLASMA DEPOSITED POLYSTYRENE
- PM37 (Ref.: P76)** Presenting author: **Eva Zdravecká**
Vojs , Zdravecka , Vesely , Marton , Šatka , Bohac
THE INFLUENCE OF DIFFERENT DEPOSITION PARAMETERS ON COATINGS
PROPERTIES of DLC layers
- PM38 (Ref.: P89)** Presenting author: **Jiří Vacík**
J. Vacik , H. Naramoto , K.Narumi , L.Juha
SYNTHESIS AND CHARACTERIZATION OF THE C60-BASED COMPOSITE MATERIALS
- PM39 (Ref.: P91)** Presenting author: **Eva Brandejsová**
E. Brandejsová , A. Nebojsa , M. Kolíbal , M. Urbánek , J. Čechal ,. M. Potoček , J. Spousta , and
T. Šikola
IN SITU ANALYSIS OF GALLIUM ULTRATHIN FILMS OV Si(111) SUBSTRATES BY
SPECTROSCOPIC ELLIPSOMETRY