

POSTER SESSION 1, Monday, September 1, 17:00 – 19:00

- 1** L. Leštinská, V. Martišovits, M. Zahoran and Z. Machala
ATMOSPHERIC PRESSURE MW PLASMA FOR WASTE CARBON TREATMENT
- 2** L. Hebedova, J. Rahel, M. Alberti and L. Zajickova
LAMINATION OF ANORGANIC FLAME RETARDANT POWDERS ON PLASMA ACTIVATED
NONWOVEN POLYPROPYLENE FABRIC
- 3** M. Bouamoud, B. Lasri and M. Sahlaoui
VARIATIONAL EXCITATION IN INTERMEDIATE ENERGY $P + Li^{2+}$ COLLISIONS
- 4** G. Raniszewski, Z. Kolacinski and L. Szymanski
INFLUENCE OF WASTE COMPOSITION ON ELECTRIC ARC ELECTRON DENSITY
- 5** J. Matúška, Š. Matejčík
INFLUENCE OF THE MAGNETIC FIELD ON THE FWHM IN TROCHOIDAL ELECTRON
MONOCHROMATOR
- 6** V. Mazánková and F. Krčma
INFLUENCE OF OXYGEN TRACES ON RECOMBINATION PROCESSES IN NITROGEN POST-
DISCHARGE
- 7** P.Slavicek, M.Klima, D.Skacelova, E.Kedronova, A.Brablec and V.Aubrecht
RF DISCHARGE AT ATMOSPHERIC PRESSURE – DIAGNOSTICS AND APPLICATIONS
- 8** M. M. Guivan, H. Motomura and M. Jinno
EXCITATION OF XENON IODIDE IN DBD-DRIVEN EXCILAMP
- 9** A. Boutaghane , K. BouhadeF, S. Pellerin, F. Valensi, Y. Benkedda, N. Benyahia, M. Zergoug, A.
Hmamouda and N. Boucherou
SPECTROSCOPIC DIAGNOSTIC OF HIGH-INTENSITY FREE-BURNING ARGON ARC
- 10** G.G. Antonov, V.B. Kovshechnikov and A.V. Gnedovskij
INFLUENCE OF A MATERIAL OF ELECTRODES ON CHARACTERISTICS OF AN ARC
OF ALTERNATE CURRENT
- 11** P. Vašina, J. Voráč, V. Kudrle, M. Mrázková and A. Tálský
EVOLUTION OF N AND O ATOM DENSITIES FOR OXYGEN ADMIXTURE
ADDED INTO NITROGEN AFTERGLOW
- 12** A.Groza, A. Surmeian, C. Diplasu, M. Ganciu1, A. Tempez, P. Chapon, L. Lobo, N. Bordel, T. Hytková,
P.Vašina, P. Belenguer, T.Nélis, P.Guillot, N. Tuccito and A. Licciardello
IONIZATION PROCESSES AND PLASMA CHEMISTRY IN PULSED RF GLOW DISCHARGE
TOF MASS SPECTROMETRY FOR THIN FILMS DEPTH PROFILE ANALYSIS
- 13** P. Dvořák and Z. Moravec
HIGHER HARMONIC FREQUENCIES MEASURED IN CAPACITIVELY COUPLED PLASMA

- 14** Čech J., Stáhel P., Navrátil Z. and Černák M.
M. SPACE AND TIME RESOLVED OPTICAL EMISSION SPECTROSCOPY OF DIFFUSE SURFACE
COPLANAR BARRIER DISCHARGE IN NITROGEN
- 15** Z. Navrátil, D. Trunec and P. Dvořák
RADIAL STRUCTURE OF RF DISCHARGE IN NEON
- 16** V. Kudrle, P. Vašina, P. Novotný, A. Tálský and M. Mrázková
PROCESSES IN AFTERGLOW OF N₂-O₂ DISCHARGES
- 17** G. Pirpiliu Neagoe, A. Brablec, J. Rahel and P. Slavicek
PLASMA DIAGNOSTICS OF UNDERWATER ELECTRICAL DIAPHRAGM DISCHARGE FOR
FABRICS TREATMENT
- 18** Farah Kaddouri, Gabi D. Stancu, Deanna A. Lacoste and Christophe O. Laux
INVESTIGATION OF ATMOSPHERIC PRESSURE NITROGEN PLASMAS BY CAVITY RING
DOWN SPECTROSCOPY
- 19** J. Gregor, I. Jakubova, T. Mendl and J. Senk
HOT GAS MIXTURE FREE JET NEAR THE ARC-HEATER OUTPUT
- 20** M. Bartlová and V. Aubrecht
APPROXIMATE CALCULATIONS OF CONTINUOUS SPECTRA
OF DIATOMIC MOLECULES
- 21** T. Hytková and P. Vašina
MODELING OF REACTIVE SPUTTERING PROCESS WITH NON-LINEAR DISCHARGE
CURRENT DENSITY
- 22** J. Jánský, D. Trunec, Z. Navrátil and Z. Bonaventura
NUMERICAL MODELLING OF DIELECTRIC BARRIER DISCHARGE IN NITROGEN WITH
HYDROGEN ADMIXTURE
- 23** Z. Bonaventura, S. Célestin, A. Bourdon, J. Jánský, D. Bessières and J. Paillol
COMPARISON OF ITERATIVE AND DIRECT POISSON SOLVERS FOR DISCHARGE
SIMULATIONS AT ATMOSPHERIC PRESSURE
- 24** S. Célestin, A. Bourdon, Z. Bonaventura and P. Ségur
SIMULATION OF DISCHARGE IN AIR AT ATMOSPHERIC PRESSURE IN POINT-TO-POINT
ELECTRODE CONFIGURATION
- 25** J. Sentek, Z. Ržanek-Boroch, M. Brykała and K. Schmidt-Szałowski
DEPOSITION OF GAS-TIGHT COATINGS ON PLASTIC FILMS BY PULSED DIELECTRIC-
BARRIER DISCHARGES
- 26** Z. Ržanek-Boroch, K. Gradkowska, A. Ilik and A. Kosiński
EFFECT OF THE DECAMETHYLTETRASILOXANE FILMS DEPOSITION PARAMETERS ON
THEIR PROPERTIES

- 27** M. Valtr, P. Klapetek, V. Buršíková, I. Ohlídal and D. Franta
SURFACE MORFOLOGY OF AMORPHOUS HYDROCARBON THIN FILMS DEPOSITED IN PULSED RADIOFREQUENCY DISCHARGE
- 28** R. Vladoiu, V. Ciupina, V. Dinca and G. Musa
INFLUENCE OF THE OPERATIONAL PARAMETERS ON THE WETTABILITY OF THE DLC FILMS DEPOSITED BY TVA METHOD
- 29** P.Šťáhel, D. Trunec, F. Studnička, V. Buršíková, L. Kelar and M. Haničinec
DEPOSITION OF HARD THIN FILMS IN ATMOSPHERIC PRESSURE GLOW DISCHARGE FROM N_2 +HMDSO
- 30** D. Benzegoutta, M.C. Hugon, J. Bretagne, M. Ganciu
CONDUCTIVE RUO2 OXYDE DEPOSITION BY REACTIVE HIGH POWER PULSED MAGNETRON SPUTTERING
- 31** M. Eliáš, P. Souček and P. Vašina
INFLUENCE OF N_2 AND CH_4 ON DEPOSITON RATE OF BORON BASED THIN FILMS PREPARED BY MAGNETRON SPUTTERING
- 32** L. Kelar, V. Buršíková and Z. Bochníček
PREPARATION AND CHARACTERISATION OF CARBON FILMS PREPARED FROM HMDSZ/METHANE/NITROGEN OR HYDROGEN MIXTURE USING PECVD
- 33** V. Buršíková, A. Stoica, J. Sobota, J. Grossman, T. Fořt, P. Klapetek, J. Buršík and O. Bláhová
STUDY ON THE MECHANICAL PROPERTIES OF DIAMOND-LIKE CARBON THIN FILMS DEPOSITED IN SINGLE AND DUAL FREQUENCY CAPACITIVE DISHARGES
- 34** Maria Odrašková, Pavel Šťáhel, Milan Smolár and Anna Záhoranová
DEPOSITION OF WATER REPELLENT FILMS ON SURFACE OF POPLAR VENEER IN SURFACE BARRIER DISCHARGE
- 35** V. Buršíková, A. Stoica, J. Sobota, J. Grossman, T. Fořt, P. Klapetek, J. Buršík, V. Peřina and O. Bláhová
STUDY OF MECHANICAL PROPERTIES OF GRADED AMORPHOUS CARBON COATINGS PREPARED USING PECVD
- 36** E.M. Peña-Méndez, J.R. Hernández Fernaud, R. Nagender, J. Houška and J. Havel
CHEMISTRY OF GOLD CLUSTERS IN PLASMA GENERATED WITH MALDI, LASER DESORPTION IONISATION AND LASER ABLATION FROM VARIOUS PRECURSORS