***24th International Scientific Meeting on Vacuum Science and Technique***

***Invited lectures***

* **Dr. Igor Belič**: Institute of Metals and Technology, Ljubljana, Slovenia

*Noise in Auger electron spectra*

* **Dr. Metka Benčina**, Faculty of Electrical Engineering, University of Ljubljana , Slovenia

EFFECT *OF OXYGEN PLASMA TREATMENT ON WETTABILITY AND CRYSTAL STRUCTURE OF TiO2 NANOTUBES*

* **Dr. Nikola Biliškov**, Ruđer Bošković Institute, Zagreb, Croatia

MATERIALS FOR SOLID-STATE HYDROGEN STORAGE – STATE OF THE ART AND PERSPECTIVES

* **Dr. Ivana Capan**, Ruđer Bošković Institute, Zagreb, Croatia

*Radiation hardness of 4H-SiC epitaxial layers: The role of deep level defects*

* **Dr. Goran Dražič**, National Institute of Chemistry, Ljubljana, Slovenia,

*Capabilities of a new TEM microscope Jeol ARM 200 CF Cs*

* **Dr. Matjaž Finšgar**, University of Maribor, Maribor, Slovenia

*Analysis and characterization of very thin surface layers relevant for corrosion science*

* **Dr. Wataru Kada**, Gunma University, Gunma, Japan,

*Focused microbeam irradiation technique for the fabrication of micro-meter scale optical structures*

* **Dr. Janez Kovač**, Jozef Stefan Institute, Ljubljana, Slovenia,

*New Atmospheric Pressure Plasma Technology for Advanced Wound Care Products developed in "IP4Plasma" EU project*

* **Dr. Daniel Meljanac**, Ruđer Bošković Institute, Zagreb, Croatia

*The properties of magnetron sputtered AZO thin films annealed in a H2 atmosphere*

* **Dr. Ivna Kavre Piltaver**, University of Rijeka, Rijeka, Croatia

*Controlling the grain size of polycrystalline TiO2 films grown by atomic layer deposition*

* **Mag. Phy. Dean Popović**, Institut of Physics, Zagreb, Croatia

*Mixing of hot and cold plasma*

* **Dr. Krešimir Salamon**, Ruđer Bošković Institute, Zagreb, Croatia,

*Ta-N based thin films: on the control of phase and nanostructure*