



# 15th European Vacuum Conference (EVC-15)

## Tuesday 19 June 2018

**Poster Session Tuesday - Main Lobby (16:50 - 18:20)**

[id] title	presenter	board
[112] Research on the accumulation leak detection method of helium mass spectrometry based on low vacuum	Dr WANG, yong	
[369] The Study of Influence of Ambient Humidity on Vacuum Capacitance Diaphragm Gauges	Mr VICAR, Martin	
[368] A new calibration method and apparatus of vacuum mass spectrometer	SUN, wenjun	
[367] Development of Vacuum Calibration Apparatus for Planetary Exploration	YUAN, zhengnan	
[187] Flow Field Calculation and Optimization of Spiral Groove Dry Seal for Screw Vacuum Pump	Prof. LIU, Kun	
[190] Process optimization of AZO thin films with Al <sub>2</sub> O <sub>3</sub> buffer layers prepared by RF magnetron sputtering	Prof. DU, Guangyu	
[224] The LIU Project: Vacuum performance simulation of the upgraded PS complex	GOMES, Joel Bruno	
[123] The multistage differential pumping system in CIADS	Mr ZHANG, Peng	
[119] Alumina ceramics vacuum chambers for injection magnets and their support configuration in the J-PARC RCS	Dr KINSHO, Michikazu	
[128] Comparative Vacuum Simulations for a DLSR Upgrade of PETRA III	PLAMBECK, Nils	
[195] Effect of hydrogen bulk content on the thermal removal of copper surface oxide	Dr TABORELLI, Mauro	
[145] Electronic properties of pristine and potassium-doped dibenzopentacene on Au(111) studied by UPS, MAES, and first-principles calculation	Prof. MASUDA, Shigeru	
[146] The primary flow jet core in the steam-jet vacuum pump and its influence on the pumping performance at different operating conditions	Prof. WANG, Xiaodong	
[154] Study of the thermal transpiration applied to a CDG with an adjustable temperature	BOINEAU, Frédéric	
[173] ARIEL E-linac Vacuum System	Mr YOSIFOV, Dimo	
[193] NEG coating for narrow tubes: challenges in deposition and testing	HANNAH, adrian	
[203] Measuring the Change of Gas Flow Conductance Due to Altered Surface Conditions of a Tube	VERBOVSEK, Tim	
[214] Determination of pumping properties and surface resistance of quaternary alloy of non-evaporable getter of TiZrVCu	HANNAH, adrian	
[211] Design and commissioning of the Cryogenic SEY measurement facility at Daresbury	SIAN, taaj	
[182] Electromagnetic Characterisations of Non-Evaporable Getter Thin Films based on Waveguide Method	SUHERMAN, Phe	
[237] Investigations by simulation for ionization type gauges suitable as vacuum transfer standard	JENNINGER, Berthold	

[246] Electron stimulated desorption yield of technical materials used in the LHC vacuum system	CALLEGARI, Simone	
[284] Outgassing Measurements of Laser Engineered Copper Surfaces	WEVERS, Ivo	
[252] Electron impact on the cryosorbed gas of selected accelerator materials.	HENRIST, Bernard	
[267] Experiments on exhaust performance by NEG applied pumping system	Mr SON, Hyungjoo	
[283] Field-emission investigations of micro-structured stainless steel ASTM 304	Dr KNAPP, Wolfram	
[314] Outgassing of differently gold-coated copper samples	Mr TIETZ, Björn	
[324] The Vacuum System of the Photon Transport Beamlines at the European XFEL Facility.	Mr VILLANUEVA, Raúl	
[319] The flow through a long rectangular channel and the angular distribution of the emitted molecules	Dr OGIWARA, norio	
[327] Mimicking cosmic dust in the laboratory. The STARDUST machine	SOBRADO, Jesus	
[348] The finite element analysis of vacuum leak detection container	Prof. MENG, Donghui	
[353] A theoretical study of Ni segregation through NiTi /TiO <sub>2</sub> -x	Dr JUAN, Alfredo	
[362] Development of radiation hard and magnetic field compatible vacuum gauges for the ITER project	BOUSSIER, Bastien	
[347] Vacuum leak testing system for the propulsion system of large spacecraft	Prof. SUN, Lichen	
[271] The leak detection methods of the electric propulsion spacecraft researched after xenon filled	Prof. RENCHAO, dou	
[201] Research on the Optical-Electrical Characteristic of Amorphous Silicon Thin Film	Prof. LIU, Kun	
[306] Study on the helium permeability of graphene oxide membranes for leak testing	REN, Guohua	
[333] Modeling of Vacuum Systems: Discrete and Continuum Physical-Mathematical Approaches	Dr DEGASPERI, Francisco Tadeu	
[317] Conceptual design of the FCC-ee vacuum and pumping system	KERSEVAN, Roberto	
[287] Liquids in vacuum. Atomic Layer Injection for studying the origin of life.	Dr SOBRADO VALLECILLO, Jesús Manuel	
[244] Radio frequency surface resistance measurement of metals for accelerator vacuum chamber	SEIFY, Omid	
[221] The LIU Project: Vacuum performance simulation of the upgraded SPS accelerator	DOS SANTOS MENDES VILAR MURTEIRA, Diogo Miguel	
[220] Uniform Magnetic Fields Effects on Secondary Electron Emission of Polycrystalline Copper	NEUPERT, Holger	
[216] From vacuum acceptance test to vacuum simulation: ELENA case study	HELLSTROM, Julia Anna Li	
[204] Improvement of Magnetic Structure of Sputtering Ion Pump	Prof. WANG, Xiaodong	
[198] Measurement of the adsorption isotherms and the mean residence time of hydrogen and deuterium physisorbed on a cold copper surface	Mr KAWAHARA, Kohta	
[181] Calibration and operation of total pressure gauges and residual gas analysers for UHV beamlines at CERN.	MEUNIER, Sophie	
[179] Vacuum measurement standards at KRISS and results of bilateral comparison between KRISS and NINAST	Dr HONG, SEUNG-SOO	
[177] Determination of pumping properties of Quaternary alloy of TiZrVAl non evaporable getter	Mr SEIFY, Omid	

<b>[171] Single Metal Zirconium Non-Evaporable Getter Coating</b>	SIRVINSKAITE, Ruta	
<b>[167] Oxygen dosing systems for Diamond Optics.</b>	Mr SHIERS, Hugo	
<b>[163] Compressibility measurements of working liquid of the primary absolute pressure standard of Russia</b>	Dr SADKOVSKAYA, Irina	
<b>[138] RF power conditioning of the Elettra's cavities with UHV NEG technology.</b>	Mr RUMIZ, Luca	
<b>[136] Microscopic Mechanism of Mg-Al Alloy Coating Damping Properties A Molecular Dynamics study</b>	Prof. DU, GuangYu	
<b>[135] Pentacene on Au(111) and Cu(111) studied by UPS, MAES, and first-principles calculation</b>	Prof. MASUDA, Shigeru	
<b>[121] Facile fabrication of amine-functionalized g-C<sub>3</sub>N<sub>4</sub> nanosheets for enhanced nitrogen photofixation</b>	Prof. JIANG, Fang	
<b>[120] The gas migration in cryogenic tubes</b>	Dr HU, Chuanfei	
<b>[243] Pressure evolution studies in the LHC beam pipe vacuum system at room temperature</b>	BURATIN, Elena	