

## List of SLOPOS-15 poster contributions

Poster session (Tuesday, September 3, 2019, 18:00 – 20:00)	
P-1	<b>Oksana Melikhova</b> , <i>Charles University, Prague, Czech Republic</i> : Microstructure and nanoscopic porosity in black Pd films.
P-2	<b>Jan Kuriplach</b> , <i>Charles University, Prague, Czech Republic</i> : Positron annihilation at grain boundaries in lithiated and delithiated $\text{Li}_x\text{FePO}_4$ battery material.
P-3	<b>Baoyi Wang</b> , <i>Institution of High Energy Physics and University of Chinese Academy of Sciences, Beijing, China</i> : Measurement of annihilation lifetime for positron burst.
P-4	<b>Veronika Kodetová</b> , <i>Charles University, Prague, Czech Republic</i> : Early stages of precipitation in mold-cast, cold-rolled and heat treated aluminium alloy AA7075 with Sc, Zr-addition.
P-5	<b>Jagoda M. Urban-Klaehn</b> , <i>Idaho National Laboratory, USA</i> : Positron Annihilation Analysis for Zeolites/Silica Gel used in Catalysis.
P-6	<b>Roman Laptev</b> , <i>National Research Tomsk Polytechnic University, Tomsk, Russia</i> : Positron Spectroscopy of Defect Structure of Electron Beam Melted Titanium Ti-6Al-4V Alloy.
P-7	<b>Andrey Lider</b> , <i>National Research Tomsk Polytechnic University, Tomsk, Russia</i> : Positron spectroscopy of nanoscale metallic Zr/Nb multilayers after Helium irradiation.
P-8	<b>Eric Hirschmann</b> , <i>Helmholtz-Zentrum Dresden-Rossendorf, Germany</i> : Results of a supranational Round Robin Test to initiate an international standard for source-based PALS measurement.
P-9	<b>Donovan M. Newson</b> , <i>University College London, UK</i> : Absolute Differential Positronium-Formation Cross Sections From The Inert Atoms.
P-10	<b>Kamil Dulski</b> , <i>Jagiellonian University, Krakow, Poland</i> : PALS Avalanche – a new PAL spectra analysis software.
P-11	<b>Masanori Fujinami</b> , <i>Chiba University, Japan</i> : The crucial defects induced in iron and stainless steel upon hydrogen embrittlement by positron annihilation spectroscopy.
P-12	<b>Masaki Maekawa</b> , <i>National Institutes for Quantum and Radiological Science and Technology, Takasaki, Japan</i> : Construction of a spin-polarized positronium time-of-flight measurement apparatus.
P-13	<b>Atsushi Kinomura</b> , <i>Kyoto University, Japan</i> : Improvement of positron lifetime measurement systems for the KUR slow positron beamline.
P-14	<b>Kento Sugita</b> , <i>Osaka Prefecture University, Japan</i> : Positron annihilation in bulk materials by using 17 MeV gamma beam induced positron beam.
P-15	<b>Kamil Fedus</b> , <i>Nicolaus Copernicus University, Torun, Poland</i> : Binary-encounter-dipole model for positron impact direct ionization.
P-16	<b>Joris More-Chevalier</b> , <i>Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic</i> : Oxidation of ScN films and effects on these properties.
P-17	<b>Jerzy Dryzek</b> , <i>Institute of Nuclear Physics PAN, Kraków, Poland</i> : Remarks on R-parameter extracted from DB spectrum related to three-photon annihilation.
P-18	<b>Yoshi Kobayashi</b> , <i>Waseda University, Tokyo, Japan</i> : Para-positronium in polymers and silica glass.
P-19	<b>Radek Zaleski</b> , <i>Maria Curie-Skłodowska University, Lublin, Poland</i> : Controlled drug release monitored by PALS.
P-20	<b>Atsushi Yabuuchi</b> , <i>Kyoto University, Japan</i> : Estimation of the effect of positron production amount by installing Cd-cap in the KUR slow positron beam line.

P-21	<b>Shivani Shivani</b> , <i>Jagiellonian University, Krakow, Poland</i> : Development of the J-PEM for breast cancer detection and diagnosis using positronium imaging.
P-22	<b>Markus Singer</b> , <i>Technische Universität München, Garching, Germany</i> : Progress towards a magnetically confined electron-positron pair plasma.
P-23	<b>Martin Petriska</b> , <i>Slovak University of Technology, Bratislava, Slovakia</i> : Measuring long lifetimes with DRS4 and QtPALS.
P-24	<b>Michal Novotný</b> , <i>Institute of Physics of the Czech Academy of Sciences, Prague, Czech Republic</i> : Investigation of Optical Properties and Defect Structure of Rare Earth (Sm, Gd, Ho) Doped Zinc Oxide Thin Films Prepared by Pulsed Laser Deposition.
P-25	<b>Danny Petschke</b> , <i>Julius-Maximilians University Würzburg, Germany</i> : A supervised Machine Learning Approach for Shape sensitive Detector Pulse Discrimination in Positron Spectroscopy Applications.
P-26	<b>Kazuyuki Tanaka</b> , <i>Tottori University, Tottori, Japan</i> : Data-scientific software for the surface structure analysis by total-reflection high-energy positron diffraction (TRHEPD).
P-27	<b>Torsten E.M. Staab</b> , <i>Julius-Maximilians University Würzburg, Germany</i> : Limitations on the Lifetime Spectra Decomposability applying the Iterative Least-Square Reconvolution Method with the Instrument Response functions (in)directly obtained from 207-Bi and 60-Co.
P-28	<b>Marek Pietrow</b> , <i>Maria Curie-Skłodowska University, Lublin, Poland</i> : Experimental study of light emission during positronium formation in matter exposed to slow positron beam.
P-29	<b>Johannes Mitteneder</b> , <i>Universität der Bundeswehr München, Neubiberg, Deutschland</i> : Frequency stabilisation of high power RF resonators for pulsed positron beams.
P-30	<b>Toshio Hyodo</b> , <i>KEK, Tsukuba, Japan</i> : Present Status of the Slow Positron Facility of Institute of Materials Structure Science, KEK.
P-31	<b>Ricardo Helm</b> , <i>Universität der Bundeswehr München, Neubiberg, Germany</i> : Improved defects spectroscopy by in situ light illumination and electric field variation at PLEPS.
P-32	<b>Kristoffer Simula</b> , <i>Aalto University, Finland</i> : Positron Annihilation With Quantum Monte Carlo.
P-33	<b>Randall W. Gladen</b> , <i>University of Texas at Arlington, USA</i> : Multi-Functional Positron Beam for the Coincident Measurement of the Energy Spectra of Doppler-Shifted Annihilation Gamma Quanta and Positron Annihilation-Induced Electrons.
P-34	<b>Alexander J. Fairchild</b> , <i>University of Texas at Arlington, USA</i> : Positron annihilation induced Auger electron spectroscopy (PAES) measurements of a TiO <sub>2</sub> (110) surface.
P-35	<b>Varghese A. Chirayath</b> , <i>University of Texas at Arlington, USA</i> : Doppler broadening spectra from multilayer graphene on copper.
P-36	<b>Ján Lančok</b> , <i>Institute of Physics of the Czech Academy of Sciences, Prague, Czech Republic</i> : Effect of oxygen pressure on optical and electrical properties of single-crystalline Cu <sub>2</sub> O fabricated by pulsed laser deposition.
P-37	<b>Matúš Šaro</b> , <i>Slovak University of Technology, Bratislava, Slovakia</i> : Characterization of small-scale samples using positron sources.
P-38	<b>Soumen Ghosh</b> , <i>University of California San Diego, USA</i> : Effects of Magnetic Non-adiabaticity and Measurement of the Energy Distribution of a Solid Neon Moderated Positron Beam.
P-39	<b>James R. Danielson</b> , <i>University of California San Diego, USA</i> : New Measurements of Positron Annihilation on Molecules.
P-40	<b>Riina Kadokura</b> , <i>University College London, UK</i> : Angle resolved (e <sup>-</sup> +H <sub>2</sub> O) measurements near 0°.

P-41	<b>František Lukáč</b> , <i>Institute of Plasma Physics of the Czech Academy of Sciences, Prague, Czech Republic</i> : Defects in thin layers of high entropy alloy HfNbTaTiZr.
P-42	<b>Ivan Procházka</b> , <i>Charles University, Prague, Czech Republic</i> : Quenched-in vacancies and hardening of Fe-Al intermetallics.
P-43	<b>Jakub Čížek</b> , <i>Charles University, Prague, Czech Republic</i> : Slow positron beam with digital Doppler broadening spectrometer and <i>in-situ</i> film deposition by electron evaporation
P-44	<b>Tomáš Vlasák</b> , <i>Charles University, Prague, Czech Republic</i> : Surface characterization of Si single crystals modified by laser irradiation.
P-45	<b>Jorge L.S. Lino</b> , <i>Instituto Alpha Lumen, São Paulo, Brazil</i> : Positron-impact excitation of the $\tilde{A}^1B_1$ electronic state of water.
P-46	<b>Saurabh Mukherjee</b> , <i>Bhabha Atomic Research Center, Trombay, Mumbai, India</i> : Design of picosecond pulsed positron beam for defect characterization.
P-47	<b>Jakub Čížek</b> , <i>Charles University, Prague, Czech Republic</i> : PLRF code for decomposition of positron lifetime spectra
P-48	<b>Fuyan Liu</b> , <i>Institute of High Energy Physics, Beijing, China</i> : (To be specified later).
P-49	<b>Lichao Tian</b> , <i>National University of Defense and Technology, Changsha, China</i> : (To be specified).
P-50	<b>Hadar Steinberg</b> , <i>Hebrew University of Jerusalem</i> : (To be specified later).
P-51	<b>Olga Ogorodnikova</b> , <i>Moscow Engineering Physics Institute, Russia</i> : Combination of PAS, TEM and deuterium depth profiling for characterization of radiation-induced defects in W and Mo