

Proceedings of the 12th International Workshop
on Positron and Positronium Chemistry,
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Preface

Positron and Positronium Chemistry (PPC) belongs to the reputable conference series with a long history initiated in 1978 in Blacksburg, VA, USA. Up to now twelve international meetings in different places in the world were organized. The recent one, PPC12, was hosted by Department of Nuclear Methods at the Faculty of Mathematics, Physics and Computer Science of the Maria Curie-Skłodowska University in Lublin from August 28th to September 1st, 2017.

PPC12 attracted participants both from academic institutions and industry who presented results of their studies and achievements devoted to fundamental aspects of positron and positronium chemistry. 99 participants from 16 countries took part in the Workshop. The 24 plenary and invited lectures, 25 oral presentation and 43 posters were presented during conference. The conference stood true to its multidisciplinary tag, many contributions were focused on applications in polymers, liquids, biological matter, porous materials, but also metals/alloys and theory. Various experimental techniques were presented including slow positron beams and antihydrogen, and certainly traditional conventional positron spectroscopy techniques. Three contributions of poster session were awarded by special grants founded by senior professor of Maria Curie Skłodowska University Tomasz Goworek addressed to the students participated the conference, to appreciate their work and encourage further achievements. During the conference the special session hosted by A. Alam was organized in memoriam of Prof. Roy Neil West, Prof. Thomas Ceiri Griffith, Prof. Zheng Tang, Prof Alfred Seeger and Dr. Janos Major who passed recently.

Several events were organized in the framework of the conference. The exhibition devoted to Maria Skłodowska-Curie, patron of the University, in her 150 birth day anniversary, and exhibition of oil paintings of Kinga Kolouszek entitled “Quantum — inner sound” inspired by quantum physics. The participants had an opportunity to visit the Lublin Open Air Village Museum and to hear a music concert of folk band. Round table discussion was dedicated to the perspectives of the positron annihilation spectroscopy

We wish to thanks all the authors of the Proceedings for their kind and willing co-operation. The special thanks are addressed to the reviewers who help expertly refereed the papers. We would like to thank the members of the International Scientific Committee and Honorary Committee for their membership, their help in creation of the scientific program and organization of PPC12. The special acknowledgements for PPC12 Sponsors are also expressed for their financial help which resulted in the scientific success of the Workshop.

Bożena Jasińska
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Guest Editors

