

## Preface

The 9<sup>th</sup> International Workshop on Positron and Positronium Chemistry (PPC-9) was held in Wuhan, China, May 11-15, 2008 at the beautiful campus of Wuhan University situated on the shore of East Lake. The purposes of this workshop are to provide an international forum to present the recent progress of positron and positronium chemistry and to exchange the idea in the fields of research using positron and positronium.

About 130 participants from 20 countries among them many young scientists and students attended PPC-9. In the opening session, two plenary lectures by Allen P. Mills, Jr. of the University of California-Riverside and Y. C. Jean of the University of Missouri-Kansas City provided comprehensive reviews on the newest results of positronium molecule formation and positronium chemistry. At PPC-9, a total of about 130 talks were presented including 26 invited talks, 33 oral talks and 71 posters. The scientific program covered nearly all relevant area of positron and positronium chemistry with following sessions: the Fundamentals of positron and positronium chemistry; Polymer and Soft matter; Liquids and Multiphase systems; Porous materials and Low-K dielectrics; Surface and Interface; Non-metallic Solid; Nanostructure; Bio-applications and Advances in experimental techniques.

In addition to this, a special Symposium on the Production of Positronium molecules was arranged in the first day of the workshop. The vivid discussions about the experimental observation and theoretical characterization of the positronium molecules have fulfilled our expectations. At the end of the workshop, two excellent summary talks were given by T. Hirade and Zs. Kajcsos.

A total of 75 papers were submitted for publication in the PPC9 proceedings. All contributed papers were refereed after the workshop. We are grateful to the colleagues who kindly collaborated in this peer reviewing process. The so-called one participant-one paper rule (except for invited talks), an established custom in the editing of the Proceedings of PPC, has been strictly applied. However, on the other hand, it is regret that not all the participants submitted their manuscripts.

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