

PROCEEDINGS OF THE 37TH POLISH SEMINAR
ON POSITRON ANNIHILATION

Łądek-Zdrój, Poland, September 3–7, 2007



Editor of the Proceedings

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Preface

This volume of *Acta Physica Polonica A* contains papers that were presented at the 37th Polish Seminar on Positron Annihilation (PSPA). The Seminar took place from 3 to 7 September 2007 at Łądek-Zdrój.

An idea of the Polish Seminars on Positron Annihilation occurred to Prof. Jan Wesołowski, the pioneer of positron annihilation studies in Poland. The first PSPA was organized in the year 1966, in a mountain chalet at Stóg Izerski. From the very beginning the Seminar was an international conference. Till the martial law in Poland (December 1981) the Seminars were organized every year. Many outstanding scientists from all over the world attended the meetings. They gave participants a chance not only to present the newest scientific ideas but to meet interesting people as well. At that time it was especially important to have such an opportunity overcoming the political divisions of the world. From the 1980's every second Polish Seminar is organized with participation of researchers from abroad.

The long tradition of the Polish Seminars resulted in a success of the 37th PSPA. 96 participants from 17 countries presented in sum 87 papers. 19 students from different countries contributed to the Seminar. The development of both the experiment and theory in the positron annihilation research was clearly seen from the scientific programme of the Seminar.

Luckily, thanks to an overwhelming majority of the participants which were equal to the task, we managed to end off the editorial work in due time. We wish to thank all the authors for their kind and willing co-operation. Thanks are also due to the reviewers who carefully and expertly refereed the papers.

We would like to thank the members of the International Advisory Committee and the International Programme Committee for the membership in the bodies, helping us in organization of the 37th Polish Seminar on Positron Annihilation as well as in creation of its scientific programme. The remarks made at the joint meeting of the Committees at the end of the Seminar are especially valuable. They should essentially help us to organize the next PSPA with participation of people from abroad in 2009.

The 37th PSPA could not take place without the support provided by the Sponsors included in the List of Sponsors. Please accept our special thanks for your financial help, which resulted in the scientific success of the Seminar.

With our sincere good wishes of fruitful professional activity for the future

The Organizing Committee
of the 37th Polish Seminar
on Positron Annihilation