

Special Chapter

Dedicated to the memory of Prof. St. Bretsznajder

Guest Editors



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This compilation is based on the peer-reviewed and selected papers of the Bretsznajder Seminar

Preface

Barbara Pacewska · Dariusz Szychowski

Organization in Płock (Poland) of scientific seminars to the memory of Professor Stanislaw Bretsznajder, who was outstanding Polish chemist, has already above 30 years of tradition. The first such seminar took place in 1977. Since then the Seminars have been organized every 3–4 years. At present, the scope of problems discussed at the Seminar covers almost all domains of chemistry. Discussed problems concerned application of thermal analysis and calorimetry in different researches, such as: investigations of thermal decomposition of chemical compounds, structure of solids, processes of synthesis of chemical substances, phase equilibrium, properties of complexes, binders, glasses, polymers, medicines, waste materials, etc., The seminars enjoy interest between Polish and foreign scientists. Thus, today one may affirm that this conference permanently have located between scientific events concerning thermal analysis and calorimetry. So far ten seminars dedicated to the memory of Prof. St. Bretsznajder were organized.

The 10th International Seminar on Thermal Analysis and Calorimetry, dedicated to the memory of Prof. St. Bretsznajder, was held in Płock, Poland, 28–30 September 2011. It was organised by the Warsaw University of Technology, Institute of Chemistry in cooperation with Polish Society of Calorimetry and Thermal Analysis memorial of Wojciech Świątosławski (PTKAT) and Society of Engineers and Technicians of Chemical Industry, Section affiliated at PKN ORLEN S.A. in Płock.

Scientific and Honorary Committees of the Seminar were formed by Polish and foreign representatives of

science and industry, whereas the Organizing Committee by representatives of employees of Institute of Chemistry, Warsaw University of Technology.

About 100 participants attended the Seminar. They represented different scientific centers from Poland and also from other countries such as Bulgaria, Czech Republic, Greece, Hungary, Lithuania, Russia, Slovakia. Between them there were presidents of a few foreign scientific societies and also big group of young researchers.

The main sponsors of the seminar were: Płock City Hall and PKN ORLEN S.A.

During the opening ceremony of the Seminar, Professor Barbara Pacewska (Chairman of Scientific and Organizing Committee, President of PTKAT) told a few words about its history. Official opening was made by Professor Jacek Kijeński, Prorector of Warsaw University of Technology and Dean of Faculty of Civil Engineering and Petrochemistry.

Ninety-eight scientific works were presented during two days of the conference. The scientific programme consisted of lectures (16), oral communications (16) and poster presentations (66). Abstracts of the papers presented at the Seminar have been printed in a 248 pages conference proceedings publication.

This Special Chapter consists of selected *full* papers presented at the Seminar. Each of the submitted manuscripts was evaluated at least by two independent reviewers. We appreciate very much the referees great work and effort in the review process.

We also would like to thank the members of the Organizing Committee and Scientific Committee for their great work before and during the Seminar.

Especially we would like to express our gratitude to all the Authors for submitting the manuscripts of high quality to this Special Chapter of Journal of Thermal Analysis and Calorimetry. We would like to thank also the Editorial Office for their help and assistance in the preparation of this Special Chapter.

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