

Proceedings of the VII National Conference
of Neutron Scattering and Complementary Methods
in the Investigations of the Condensed Phases

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The Conference was organized by:

Institute of Chemistry of the Siedlce University, Siedlce
Marian Smoluchowski Institute of Physics, Jagiellonian University, Kraków
Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences, Kraków
Polish Neutron Scattering Society

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Preface

The current volume contains a selection of the works presented during the VII National Conference on Neutron Scattering and the Complementary Methods in the Investigations of the Condensed Phases. This conference was organized by the Institute of Chemistry of the University of Podlasie, Siedlce, Marian Smoluchowski Institute of Physics, Jagiellonian University, Kraków, Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences, Kraków and the Polish Neutron Scattering Society. It took place in Chlewiska near Siedlce, Poland, from June 12 till June 16, 2011.

The aim of the conference was to provide a forum for scientists working in neutron science and complementary methods and to enhance contacts between scientists from different research centers in the country. The conference gathered 59 participants from 14 scientific institutions located in 7 research centers: Białystok, Kraków, Poznań, Siedlce, Świerk, Warszawa, and Wrocław.

The scientific program, which consisted of 20 lectures and 13 short communications, concerned the physical properties of different materials: liquid and molecular crystals, magnetics, and ferroelectrics. The large number of lectures was devoted to the crystal and magnetic structures and the dynamics of the atomic and spins lattices investigated by the neutron scattering. The neutron data are supplemented by the results from the complementary methods: optical, infrared and dielectric spectroscopy, NMR, calorimetric and magnetic measurements.

One lecture concerned the prospects of the investigations with the neutron beam in JINR, Dubna.

The support of institutions and companies from Siedlce is kindly acknowledged. Thanks to their help, it was possible to organize the conference and make it both scientific and social success.

Special thanks are addressed to the staff of the Dom Pracy Twórczej “Reymontówka” in Chlewiska for nice atmosphere and professional service.

On behalf of the Organizing Committee we would like to thank all those who contributed to these Proceedings.

We would like to thank Prof. W. Dobrowolski as well, who is the Editor-in-Chief of the *Acta Physica Polonica A* for the possibility to publish the Proceedings. We acknowledge the Editorial Staff of *Acta* for the kind assistance.

I am grateful to Miss K. Grzelak and Dr. B. Penc for assistance in the preparation of some manuscripts.

Editor of the Proceedings
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