

PREFACE

The conference *Linear and Non-linear Theory of Generalized Functions and Its Applications*, one of the series of the Banach Center Conferences, was held from September 2 to September 8, 2007, in the Mathematical Research and Conference Center in Będlewo, Poland. The conference was co-organized by the Institute of Mathematics of the Polish Academy of Sciences (IM PAS) and the Institute of Mathematics of the University of Rzeszów (IM UR). It was financially supported by the Ministry of Science and High Education in Poland and the University of Rzeszów.

The Organizing Committee of the conference consisted of A. Kamiński (IM UR) – chairman, O. Łopuszański (IM UR), G. Łysik (IM PAS), M. Oberguggenberger (University of Innsbruck), S. Pilipović (University of Novi Sad) as well as the group of organizers from IM UR: S. Mincheva-Kamińska, A. Dadej, K. Halik and S. Sorek. The Scientific Committee included P. Antosik, J.-F. Colombeau, M. Grosser, A. Kamiński, D. Kim, H. Komatsu, J.-A. Marti, L. Rodino, C. Ryll-Nardzewski, V. S. Vladimirov, and M. W. Wong.

In the conference, altogether 79 mathematicians from 18 countries took part (the complete list of participants is enclosed). There were 10 plenary sessions, 14 ordinary sessions in two parallel sections, a problem session and, moreover, a special commemoration session devoted to Professor Jan Mikusiński on the 20-th anniversary of his death. The participants delivered 18 plenary lectures of 40 minutes, 26 lectures of 30 minutes and 25 short communications of 15 minutes (the complete list of the lectures is enclosed).

The Proceedings of the Conference appear in two separate publications: in the present volume of the *Banach Center Publications* series and in the special issue of *Integral Transforms and Special Functions*, vol. 20, No. 3-4 (2009), pp. 157–339. Most of the papers in the Proceedings contain original results presented during the conference. Just a couple of articles in this volume are of survey or historical character. All papers have been individually refereed.

We express our sincere thanks to all the referees who helped us to guarantee a good quality of the articles.

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