

PREFACE

This volume is the proceedings of the International Conference “Function Spaces IX” that was held in Kraków in July 6–11, 2009.

The International Conferences on Function Spaces have a 25 year tradition and serve to present current progress in the theory of functions and its applications. Previous conferences were held in Poznań (1986, 1989, 1992, 1998, 2003—The Władysław Orlicz Centenary Conference and Function Spaces VII), Zielona Góra (1995), Wrocław (2001) and Będlewo (2006). The proceedings of the first two conferences were published by Teubner, Leipzig as volumes 103 and 120 of the series *Teubner Texte zur Mathematik*. The proceedings of the third and fourth conferences appeared as special issues of the journal *Collectanea Mathematica*, volumes 44 and 48. The proceedings of the fifth conference were published by Marcel Dekker Inc., as *Lecture Notes in Pure and Applied Mathematics*, vol. 213, the proceedings of the sixth conference were published by World Scientific Publishing Co., Pte. Ltd. in 2003, and finally the proceedings of Function Spaces VII and VIII were published by *Banach Center Publications* as volumes 64 and 68.

The conference was attended by 105 mathematicians from five continents and 18 countries (Algeria, Australia, P. R. China, Czech Republic, France, Germany, Italy, Japan, Poland, Portugal, Russia, Scotland, Spain, Sweden, Thailand, Turkey, Ukraine and USA). The program consisted of 21 plenary addresses delivered by invited specialists. The selection of plenary speakers was made by the Program Committee (see the next page). There were also 60 short (20 minute) lectures presented in three sections. In the middle of the conference an excursion to the historic Salt Mine in Wieliczka was organized for the participants of the conference.

The papers selected to the present volume show recent progress in such domains as theory of function spaces, approximation theory, geometry of Banach spaces, Banach lattices, operator theory, fixed point theory, metric spaces, martingales, convexity. The conference has been financially supported by the Faculty of Mathematics and Computer Science of the Jagiellonian University in Kraków, the Faculty of Mathematics and Computer Science of the Adam Mickiewicz University in Poznań and by the State Committee for Scientific Research in Poland. The Organizers would like to express their gratitude to these institutions for the support and to the participants without whom there could have been no conference.

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