

## PREFACE

The conference “Parabolic and Navier–Stokes equations” was held at the Banach Center, Będlewo, from September 10 to September 17, 2006. There were 84 participants who presented 75 talks. This meeting was devoted to problems of existence, regularity and properties of solutions to parabolic and Navier–Stokes equations.

The following topics have been discussed at the conference and are treated in papers of this volume:

- fluid mechanics,
- Navier–Stokes and Stokes equations: existence and regularity of solutions, asymptotic properties, attractors, absorbing sets,
- reaction-diffusion equations,
- degenerate parabolic equations,
- function spaces.

It is our pleasure to thank all the participants of our meeting, members of scientific committee (Herbert Amann, Giovanni Paolo Galdi, Grzegorz Łukaszewicz, Adélia Sequeira) and other organizers (Piotr Biler, Grzegorz Karch, Grzegorz Łysik, Konstantin Pileckas, Gregory Seregin, Yoshihiro Shibata, Michael Wiegner, Dariusz Wrzosek), authors for their contributions, referees for their work and also the Banach Center staff for hosting us at Będlewo. We are grateful for conference support to Stefan Banach International Mathematical Center, Polish Ministry of Science and Higher Education and Feliks Przytycki as co-ordinator of SPB-M and Deterministic and Stochastic Processes SPADE-2.

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