

Preface

This issue of the Archives of Mechanics contains six papers presented at the 19th Polish National Fluid Dynamics Conference (KKMP) hosted by Technical University of Poznań in September 5–9, 2010.

The conference program with 12 invited lectures and over 100 contributions covered most of the actual fields of contemporary fluid mechanics.

The conference pervaded many areas of scientific endeavour, including bio-fluid mechanics, medicine, geophysics, physical chemistry, turbulence and flow control. We are sure that the international atmosphere of the meeting helped us to stimulate a young generation of researchers from Poland and abroad to seek out the solutions to many of the challenging problems of fluid mechanics facing us nowadays. Details of the scientific program can be found on the conference webpage <<http://kkmp2010.put.poznan.pl/>>.

We would like to thank all the authors, the reviewers, and the KKMP organizing committee for their accurate job in selecting papers for this journal.

Warsaw, April 19, 2011

Tomasz A. Kowalewski

Chairman of the XIX KKMP Scientific Committee