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## **Preface**

THIS ISSUE of the Archives of Mechanics contains 9 of the 11 survey papers presented at the XIX<sup>th</sup> Biennial Symposium on Advanced Problems and Methods in Fluid Mechanics which took place at Kozubnik, September 3–8, 1989.

Originally as in previous years these papers were expected to be published in the 15<sup>th</sup> volume of the Fluid Dynamics Transactions. Unfortunately, we could not obtain the necessary funds to publish them in a special volume. We express our deep gratitude to the Editors of Archives of Mechanics for agreeing to publish the valuable review papers in a special issue and apologize to the Authors for being unable to publish them in Fluid Dynamics Transactions which has to be discontinued.

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