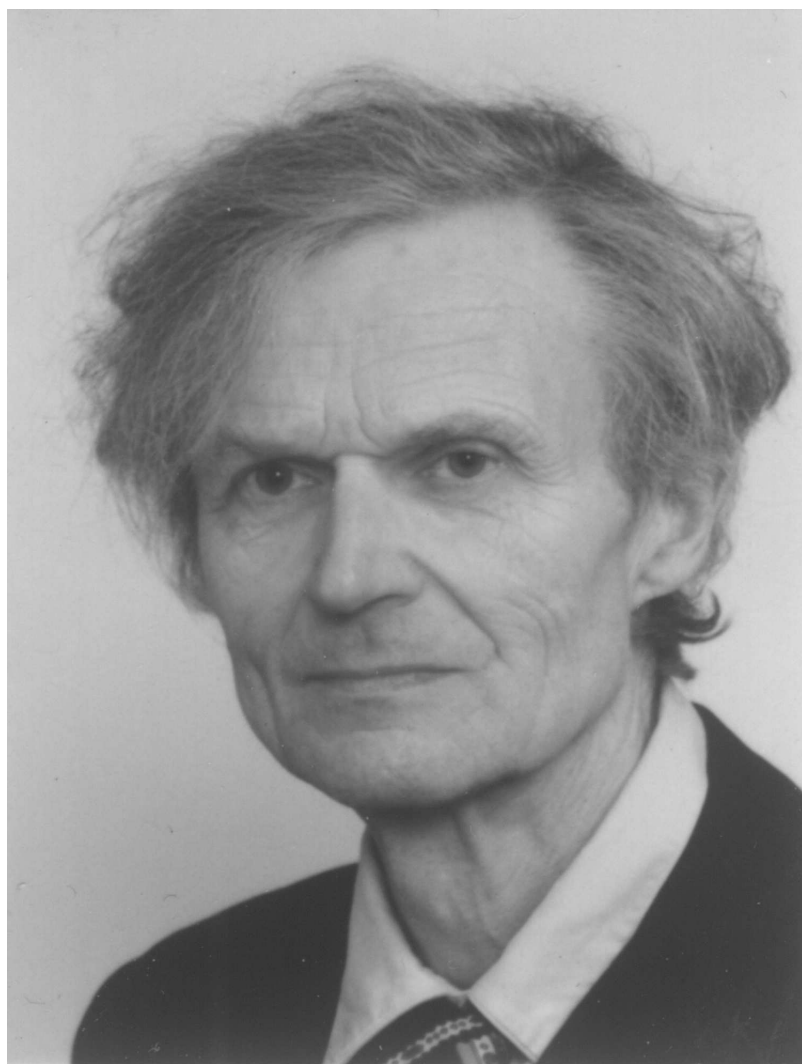


**Topics in Logic, Philosophy, and Foundations of Mathematics and  
Computer Science**

**In Recognition of Professor Andrzej Grzegorzczak**



**Andrzej Grzegorzczak**

## **Preface**

---

This special issue of *Fundamenta Informaticae* is honoring Professor Andrzej Grzegorzcyk, the nestor of Polish logicians, on his 85 anniversary. We would like to express the respect and sympathy we have for him. His textbook, “The Outline of Mathematical Logic” has been published in many editions and translated into several languages. It was this textbook, that introduced many of us into the world of mathematical logic.

Professor Grzegorzcyk has made fundamental contributions to logic and to philosophy. His results, mainly on hierarchy of primitive recursive functions, known as the Grzegorzcyk hierarchy, are of fundamental importance to theoretical computer science. In particular, they were precursory for the computational complexity theory.

We would like to stress that this special issue of *Fundamenta Informaticae* celebrates a scientist who is still actively pursuing genuinely innovative directions of research. Quite recently, Andrzej Grzegorzcyk gave a new proof of undecidability of the first order functional calculus. His proof does not use the arithmetization of Kurt Gödel.

In recognition of his merits, the University of Clermont-Ferrand conferred to Professor Andrzej Grzegorzcyk the Doctorat Honoris Causa.

The work and life of Professor Andrzej Grzegorzcyk is presented in the article by Professors Stanisław Krajewski and Jan Woleński.

The papers in this collection have been submitted on invitational basis. However, all of them have been reviewed.

We are very thankful to all authors for their contributions and to all reviewers for their work. Special thanks go to prof Andrzej Skowron who has accepted the volume for publication in *Fundamenta Informaticae*.

We hope that this issue will please its readers, and in particular, that it will please Professor Andrzej Grzegorzczak.

*Stanisław Krajewski — Warsaw University*

*Wiktor Marek — University of Kentucky*

*Grażyna Mirkowska — Polish Japanese Institute of  
Information Technology*

*Andrzej Salwicki — National Institute of Telecommunication*

*Jan Woleński — Jagiellonian University*

Special Issue Editors