POLSKA AKADEMIA NAUK
INSTYTUT BADAŃ SYSTEMOWYCH

PROCEEDINGS OF THE 3rd ITALIAN-POLISH CONFERENCE ON APPLICATIONS OF SYSTEMS THEORY TO ECONOMY, MANAGEMENT AND TECHNOLOGY

WARSZAWA 1977

Redaktor techniczny
Iwona Dobrzyńska

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PREFACE

The present volume comprises the papers from the 3rd Italian-Polish Conference which was held in Białowieża in May, from 26 to 31. The conference organised by the Centre of Control Systems and Computation of the Italian National Research Council in Rome and the Institute for Organization, Management and Control Sciences of Polish Academy of Sciences and the Ministry of Science, Higher Education and Technology in Warsaw was the third conference of this type.

The first one took place in Kraków (Poland) in 1972, the second in Pugnochiuso (Italy) in 1974.

This conference, like both the previous ones, gathered the leading representatives of many scientific centres from Italy as well as from Poland, representing also the different aspects of the systems analysis applied to the economic, management, data processing and technological systems.

From one part, such meetings enrich the exchange of views and experiences between the specialists from both countries what is the doubtless advantage to both sides. From the second part, the confrontation of the systems and control theory specialists with the econometricians contributes to the essential development of the quantitive analysis and the performance optimization of large economic systems.

The meaning of such meetings, however, goes far beyond that what is happening during the conference because the established contacts are also fruitful in form of common scientific research works and — "last but not least" — begin the friendly links between the scientists of both countries which last for years.

The proceedings of the conference were divided into three parts;

1. Optimization and Control Theory.
2. Systems Theory in Economics.
3. Technological, Management and Information Systems.

While the first two parts are of rather homogeneous character, the third part contains the papers concerning the different types of models — for the economic, technological, management and data processing systems.

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