

# Preface

Innovation, especially attained through advanced technologies, is one of the key factors influencing the quality of life of both individual people and whole nations. Among technologies currently having a major impact on innovation are: control, industrial automation, robotics and measurement techniques. For this reason problems associated with these technologies are at the centre of interest of researchers, both from the point of view of theoretical challenges and practical applications.

This book presents the set of papers accepted for presentation at the international conference named Automation, held in Warsaw during 2–4 March of 2016. It presents the research results presented by top experts in the fields of industrial automation, control, robotics and measurement techniques. Each chapter presents a thorough analysis of a specific technical problem which is usually followed by numerical analysis, simulation, and description of results of implementation of the solution of a real-world problem.

We are convinced that the presented theoretical results, practical solutions and guidelines will be of great value for both researchers working in the area of engineering sciences and for practitioners solving industrial problems.

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