

PREFACE

*“At its heart, engineering is about using science to find creative, practical solutions.
It is a noble profession.”
Queen Elizabeth II*

Automation and Control of Mechanical Systems and Technological Processes is a special topic volume of scientific papers. Papers within this volume are focused on behaviour of technical devices and processes through specific designs, models, tools and instruments along with their usage and verification, measurements and evaluation of technical devices operation as well as regulation and control of the systems.

The topic belongs to the fundamental research fields that are solved at the Technical University of Košice for long period of time. Authors would like to disseminate achieved knowledge into research, educational and entrepreneurial areas to saturate demands for high level of theoretical and practical achievements.

The volume contains papers presenting knowledge resulting from research within scientific projects of national and international importance. Part of the presented experimental work was performed at internal laboratories TU of Košice. However, major part of the contributions reports on the knowledge based on scientific cooperation of the within major international partner institutions and companies.

I am pleased that substantial part of presented achievements is sourcing from the research with participation of young researchers and that the collection includes significant part of scientific papers, authors of which are young post-docs.

I hope that knowledge presented in this collection as well as methods, technical systems and their applications have strong potential to attract and impress researchers as well as other professionals and will contribute to the process of giving an answers that still are to be given or questions that still are to be formulated.

Tibor Krenicky, RNDr, PhD