EDITORIAL PREFACE

Systems and control theory is a constantly evolving scientific area and the dominant driving force in key industries and engineering fields e.g. process engineering, automotive engineering, bioengineering, and the energy industry. The aim of the current issue (Volume 42, Number 2) is to provide an overview of research topics pursued by selected PhD students.

The papers presented here were selected from contributions at the 13th International PhD Workshop on Systems and Control Conference held on August 25, 2014 (virt.uni-pannon.hu/phdws2014). The objective of the conference was to establish an international forum for young researchers. The meeting provided opportunities for the participants to present and discuss the latest results and up-to-date applications in systems and control.

This issue represents the entire spectrum of systems and control engineering as follows:

- process modelling and analysis
- control (traditional, intelligent, adaptive, etc.)
- process monitoring and supervision
- system identification and signal processing
- bioengineering
- traffic control
- reaction kinetic networks
- modelling of complex systems (classical, hierarchical, Bayesian, fuzzy, networks)
- image processing and pattern recognition
- artificial intelligence
- soft computing (neural, genetic, fuzzy algorithms, etc.)
- software (parallel computing, distributed and network computing, data visualization)
- decision making (decision support, data mining)
- applications of systems and control theory

The organizers are grateful for the contributions of the authors.

The tradition of the International PhD Workshop continues.

You are invited to participate at the 14th International PhD Workshop in Veszprém in 2015!

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Guest Editor