EDITORIAL PREFACE TO THE SPECIAL ISSUE DEDICATED TO THE 15TH INTERNATIONAL PHD WORKSHOP ON SYSTEMS AND CONTROL

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Systems and control theory is a scientific area that is constantly developing and a dominant driving force behind key industries and fields of engineering, e.g. process engineering, automotive engineering, bioengineering, the energy sector, etc. The goal of this issue is to provide an overview of the actual research topics pursued by some selected PhD students. The papers presented here were chosen from among the contributions at the 15th International PhD Workshop on Systems and Control held August 30-31, 2018. The objective of this workshop was to establish an international forum for discussion between young researchers and engineers from the industry and related research fields. The meeting provided opportunities for the participants to present and discuss their 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 modeling and analysis; control (traditional, intelligent, adaptive, etc.)
- system identification and signal processing
- electrical transmission systems, smart grids
- bioengineering
- traffic control
- reaction kinetic networks
- artificial intelligence
- soft computing (neural, genetic, fuzzy algorithms, etc.)
- software issues (parallel computing, distributed and network computing, data visualization)
- decision making (decision support, data mining)
- applications

The organizers are grateful to the authors for their contributions. The tradition of the International PhD Workshop on Systems and Control continues.

You are welcome to participate at the 16th International PhD Workshop on Systems and Control in Veszprém, 2020.

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Guest Editor of the Issue