

# Preface

The present book includes extended and revised versions of a set of selected papers from the 13th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2016), held in Lisbon, Portugal, from 29 to 31 July 2016.

ICINCO 2016 received 183 paper submissions from 47 countries, of which 11% were selected and invited to submit an extended and revised version for this book. The papers were selected by the event chairs based on several criteria including rankings and comments provided by the program committee members, the session chairs' assessments and the program chairs' outlook of maintaining a globally coherent and balanced assortment of included papers.

The purpose of the 13th International Conference on Informatics in Control, Automation and Robotics (ICINCO), is to bring together academicians and practitioners interested in the application of informatics to Control, Automation and Robotics. Following the spirit of the conference, the editors aspire to reflect on the most up-to-date developments in aforementioned fields. We believe this book will serve as a source of the latest knowledge and inspiration for researchers, engineers and Ph.D. students.

The contents of the book cover the topics of the four parallel tracks we had elaborated for ICINCO 2016 program, namely:

- Intelligent Control Systems and Optimization;
- Robotics and Automation;
- Signal Processing, Sensors, Systems Modelling and Control;
- Industrial Informatics.

Moreover, as editors, we have paid a special attention to covering not only theoretical aspects of these fields but also applicative and implementation accomplishments. Based on the high quality of the ICINCO contributions, the result is, we believe, a factual and well-balanced prospect of current achievements in the field. Finally, one might pinpoint our particular attention to emphasizing the trend for Control of Intelligent Robots that provides a special flavour to the contributions proposed in this book.

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