

Preface

The present book includes extended and revised versions of a set of selected papers from the 9th International Conference on Informatics in Control Automation and Robotics (ICINCO 2012), held in Rome, Italy, from 28 to 31 July 2012. The conference was organized in four simultaneous tracks: Intelligent Control Systems and Optimization, Robotics and Automation, Systems Modelling, Signal Processing and Control and Industrial Engineering, Production and Management.

ICINCO 2012 received 360 paper submissions from 58 countries in all continents. From these, after a blind review process, only 40 were accepted as full papers, of which 20 were selected for inclusion in this book, based on the classifications provided by the Program Committee. The selected papers reflect the interdisciplinary nature of the conference as well as the logic equilibrium between the four above-mentioned tracks. The diversity of topics is an important feature of this conference, enabling an overall perception of several important scientific and technological trends. These high-quality standards will be maintained and reinforced at ICINCO 2013, to be held in Reykjavík, Iceland, and in future editions of this conference.

Furthermore, ICINCO 2012 included four plenary keynote lectures given by Alessandro De Luca (Università di Roma “La Sapienza”, Italy), Munther A. Dahleh (MIT, United States), Alexandre Dolgui (Ecole des Mines de Saint-Etienne, France) and Jurek Sasiadek (Carleton University, Canada). We would like to express our appreciation to all of them and in particular to those who took the time to contribute with a paper to this book.

On behalf of the conference organizing committee, we would like to thank all participants. First of all to the authors, whose quality work is the essence of the conference and to the members of the Program Committee, who helped us with their expertise and diligence in reviewing the papers. As we all know, producing a conference requires the effort of many individuals. We wish to thank also all the members of our organizing committee, whose work and commitment were invaluable.

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