

Preface

This book includes extended and revised versions of a set of selected papers from the Third International Congress on Sport Sciences Research and Technology Support (icSPORTS 2015), held in Lisbon, Portugal, during November 15–17, 2015.

The purpose of the International Congress on Sport Sciences Research and Technology Support is to bring together researchers and practitioners in order to exchange ideas and developed synergies highlighting the benefits of any kind of technology for sports, either in general or regarding a particular case of application.

icSPORTS 2015 was sponsored by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC). icSPORTS 2015 was co-organized by the University of Lisbon (Faculty of Human Kinetics), Portugal, and the Norwegian School of Sport Sciences, Norway, and had the institutional sponsorship of the Olympic Committee of Portugal. It was held in cooperation with the: European College of Sport Science (ECSS); European College of Sports and Exercise Physicians (ECOSEP); International Association of Computer Science in Sport (IACSS); European Federation of Sport Psychology (FEPSAC); European Society for Movement Analysis in Adults and Children (ESMAC); International Association of Sport Kinetics (IASK); European Society of Biomechanics (ESB); Portuguese Society of Physical Education (SPEF); European Association for Sport Management (EASM); Portuguese Sports Federation for Persons with Disabilities (FPDD); European Society for Sports Traumatology, Knee Surgery, and Arthroscopy (ESSKA); International Sports Engineering Association (ISEA); European Network of Sport Science, Education and Employment (ENSSEE); European Platform for Sport Innovation (EPSI.EU); Gait and Clinical Movement Analysis Society (GCMAS); International Society for Virtual Rehabilitation (ISVR); Portuguese Society of Physiotherapists (APF) and Sports Physiotherapy Group (GIFD); and Portuguese Society of Sports Medicine (SPDM).

icSPORTS 2015 also had as R&D group partners the following projects: REPOPA (REsearch into POLicy to enhance Physical Activity), Wi-Shoe (a novel wireless, wearable shoe-based system for real time monitoring of energy expenditure and gait parameters for sport and medical applications), and Credits4Health.

The congress received 93 paper submissions from 32 countries in all continents. To evaluate each submission, a double-blind paper review was performed by the Program Committee. After a stringent selection process, 15% of the submissions were published and presented as full papers, i.e., completed works (30-minute oral presentation), which shows the intention of preserving a high-quality forum for the next editions of this congress.

The congress program included panels, special sessions, and three keynote lectures delivered by internationally distinguished speakers, namely: Dietmar Schmidtbleicher (Goethe University, Germany); Romain Meeusen, (Vrije Universiteit Brussel,

Belgium), and Christian Finnsgård (Centre for Sport and Technology, Chalmers University of Technology, Sweden).

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