## Contents

Development of Skill Scoring System for Ski and Snowboard ............... 1  
*Shinichi Yamagiwa, Hiroyuki Ohshima, and Kazuki Shirakawa*

Monocular Tracking of Human Motion in Evaluation of Hurdle Clearance ... 16  
*Tomasz Krzeszowski, Krzysztof Przednowek, Janusz Iskra, and Krzysztof Wiktorowicz*

Prediction of the Results in 400-Metres Hurdles in Two Different Time Intervals Using Statistical Learning Methods ................................. 30  
*Krzysztof Przednowek, Janusz Iskra, and Karolina H. Przednowek*

Sampling Rates and Sensor Requirements for Kinematic Assessment During Running Using Foot Mounted IMUs ................................. 42  
*G.P. Bailey and R.K. Harle*

A Real-Time Simulator of Foiling Catamarans ................................. 57  
*Paolo Conti and Filippo Rocchini*

Guiding System for Visually Impaired Running on a Track .................. 71  
*Ferdinand Kemeth, Sven Hafenecker, Ágnes Jakab, Máté Varga, Tamás Csielka, and Sylvie Couronné*

Hydrodynamic Resistance Prediction of an Olympic Class Sailing Dinghy Using CFD and Towing Tank Testing ................................. 85  
*Rickard Lindstrand Levin, Christian Finngård, and Jeremy Peter*

Do We Need Goal Line Technology in Soccer or Could Video Proof Be a More Suitable Choice: A Cost-Benefit-Analysis of Goal Line Technology in Soccer and Thoughts About an Introduction of Video Proof ............... 107  
*Otto Kolbinger, Daniel Linke, Daniel Link, and Martin Lames*

**Author Index** ............................................ 119
Sports Science Research and Technology Support
Second International Congress, icSPORTS 2014, Rome, Italy, October 24-26, 2014, Revised Selected Papers
Cabri, J.; Barreiros, J.; Pezarat-Correia, P. (Eds.)
2015, XI, 119 p. 70 illus. in color., Softcover
ISBN: 978-3-319-25248-3