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Soggetti	Medical informatics Computer networks Computer vision Sports medicine Health Informatics Computer Communication Networks Computer Vision Sports Medicine
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Nota di contenuto	The Determinants of a Good Lunge Performance in Fencing - In Two Approaches -- A Convolution Model for Prediction of Physiological Responses to Physical Exercises -- Testing and Evaluation of a Differential GNSS Tracking Device for Alpine- and Cross-Country Skiing -- Unsubstantial Health and Sports Monitoring Reliability of Commercial Fitness Tracker Bracelets induced by their All-in-One Sensing Unit Approach - Experimental Evaluation of Measurement Accuracy in Dynamic and in Steady Physical Effort Scenarios -- Space Sports { Sailing and Equestrian Sports in Space -- Construction and Validation of Protocol for Digital Measurement of Human Body -- New Approaches in Measuring to the Calculations and Analysis Modelling of

Breath-by-Breath Alveolar Gas Exchanges in Humans -- The Application of Multiview Human Body Tracking on the Example of Hurdle Clearance -- Study on Game Information Analysis for Support to Tactics and Strategies in Curling -- Novel Approaches for Geometrical Model-based Calculation of Human Body Segment Inertial Parameter Values -- Computation of Optimal Release Parameters of Jump Shots in Basketball -- Laboratory and Exercise Fitness Control in Young Soccer Players -- Effects of Specific Badminton Training on Aerobic and Anaerobic Capacity, Leg Strength Qualities and Agility among College Players -- Criteria of Individualization of Short Distance Runners Training.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 4th and 5th International Congress on Sports Science Research and Technology Support, icSPORT 2016 and 2017, held respectively in Porto, Portugal, on November 7-9, 2016 and in Funchal, Madeira, Portugal, on October 30-31, 2017. The 13 revised full papers (7 papers in 2016 and 6 papers in 2017) along with 1 short paper presented were carefully reviewed and selected from 93 submissions (53 in 2016 and 40 in 2017). The papers cover the following topics: signal processing and motor behavior; neuromuscular physiology; sports medicine and support technology; physiotherapy and rehabilitation; health, sports performance and support technology; applied physiology and exercise; computer systems in sports; computer supported training and decision support systems.
