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Collana	Communications in Computer and Information Science, , 1865-0929 ; ; 975
Disciplina	796.015
Soggetti	Health informatics Computer communication systems Optical data processing Sports medicine Health Informatics Computer Communication Networks Image Processing and Computer Vision Sports Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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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.
