

2011 The 8th International Symposium on Computer Science in Sport

Host: International Association on Computer Science in Sport

Organizers: China Sport Science Society

Shanghai University of Sport

Sept.21-24, 2011 Shanghai, China

Wednesday Sept 21 st	10:00-20:00	Registration (Graphic Information Building, Shanghai University of Sport)	<ul style="list-style-type: none">● Oral presenter please submit the PPT and test projecting equipment at Conference Room 2● Poster presenter please submit your poster on the desk
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IACSS2011—Proceedings of the 8th International Symposium on Computer Science in Sport

Thursday Sept 22 nd	08:30-09:00	Opening Ceremony			
	09:00-09:45	Keynote Speech1: Arnold Baca (Austria) Education in Computer Science in Sport – A Report on 23 Years of Personal Experience			Lecture Hall Moderator: Hui Zhang
	09:45-10:30	Group Photo and Refreshments			
	Oral Presentation	Conference Room 1 Moderator: Martin Lames		Conference Room 2 Moderator: Yaping Zhong	
	10:30-10:45	Stuart Morgan (Australia)	<i>Detecting Spatial Trends in Hockey Using Frequent Pattern Mining</i>	Jing-guang Qian (China)	<i>Multi-body Kinematics simulation of Double-leg circle on pommel horse</i>
	10:45-11:00	Ye-peng Guan (China)	<i>Table Tennis Tactical Analysis Based on Video Processing</i>	Thomas Holleczeck (Switzerland)	<i>Alpine Skiing: Predicting Speeds and Density of Snow Sports Athletes</i>
	11:00-11:15	Anthony Bedford (Australia)	<i>Linking spatial-temporal ball movement for visual utility and player ratings in Australian Football</i>	Peng Wang (China)	<i>Kinematics Study on the Take-off Technique of Chinese elite Male Pole Vaulter</i>
	11:15-11:30	Lijuan Yu (China)	<i>Research and Application on Key Technology of the analysis of Techniques and Tactics in Antagonistic Sports</i>	Roland Leser (Austria)	<i>Kinematic analyses of tackling in football</i>
	11:30-11:45	Sho Tamaki (Japan)	<i>Development of a Tactical Analysis Application for Table Tennis</i>	Jing Yang (China)	<i>Research on Jumping-Modelling of Basketball Player</i>
	11:45-12:00	Qiang Feng (China)	<i>Research on Theory and Practice of the Construction of Real-time Automatic Analysis System of Tennis Techniques and Tactics</i>	Juan-li Wei (China)	<i>The Research and Application on Computer Simulation Systems of Motion-based Process</i>
	12:00-13:30	Lunch and Rest			

IACSS2011—Proceedings of the 8th International Symposium on Computer Science in Sport

Thursday Sept 22 nd	13:30-14:15	Keynote Speech2: Yong Jiang(China) To predict results/scores for coming 2012 London Olympic Game based on computer model			Lecture Hall Moderator: Huiqun Zhao
	14:15-15:00	Keynote Speech3: Larry Katz (Canada) Successes and Challenges with Performance Analysis: An International Perspective			
	15:00-15:30	Refreshments			
	Oral presentation	Conference Room 1 Moderator: Jürgen Perl		Conference Room 2 Moderator: Weiqing Li	
	15:30-15:45	Minh Huynh (Australia)	<i>Acquiring and discriminating badminton expertise</i>	Ulf Jensen (Germany)	<i>Sensor-based Instant Golf Putt Feedback</i>
	15:45-16:00	Qian Tao (China)	<i>Adaptive Expert System Model Framework researches on the table tennis skills and tactical game training</i>	Peijun Zhao (China)	<i>The Design and Implementation of Layout Formation for Gymnastics Based on Virtools VR Technology</i>
	16:00-16:15	Jing Sun (China)	<i>Placement Detection of Table-Tennis on the Table in Sport Games in Lowlight Situations</i>	Peter F. Lamb (Germany)	<i>Visualizing Golf Drive Launch Variables Using Artificial Neural Networks</i>
	16:15-16:30	Michael Stoeckl (Germany)	<i>Theoretical and Practical Performance Analysis in Golf with the ISOPAR Method</i>	Ji Rong (China)	<i>Research on the Decision-making System of Basketball Game of Virtual human and Application Prospect</i>
	16:30-16:45	Chuanjie Zhao (China)	<i>Research and Application on multimedia interactive date collection system in Technique and Tactic of Fencing</i>	Kerstin Witte (Germany)	<i>Using VR technology for studying anticipation in combat sport</i>
	16:45-17:00	Lei Cai (China)	<i>The NBA regular schedule mathematical model evaluation method United States - in2008 to 2009 for example NBA regular season</i>	Gongbo Liu (China)	<i>Research on the use of grey theory and artificial neural network to predict the performance of Olympic swimming competitions</i>
	17:00-17:45	Visit SUS Laboratory			
18:00	Welcome Banquet				

IACSS2011—Proceedings of the 8th International Symposium on Computer Science in Sport

Friday Sept 23 rd	08:30-09:15	Keynote speech 4. Jürgen Perl (Germany): Concepts and Methods of Modelling A Case Study			Lecture Hall Moderator: Yaping Zhong
	09:15-10:00	Keynote speech 5. Roger Bartlett (New Zealand) The Use of Artificial Neural Networks in Studying Movement Coordination			
	10:00-10:30	Refreshments			
	Oral presentation	Conference Room 1 Moderator: Larry Katz		Conference Room 2 Moderator: Yong Jiang	
	10:30-10:45	Ian Heazlewood (Australia)	<i>A Comparison of Classification Accuracy for Gender Using Neural Networks and Discriminant Function Analysis.....</i>	Kerstin Witte (Germany)	<i>Application of PCA for analysis of movement coordination during fatigue</i>
	10:45-11:00	Shangbin Li (China)	<i>The Research of Computer-aided Teaching in Physical Education</i>	Siyin Han (China)	<i>Research on Mathematical Model of Optimal Control System for Sport Training</i>
	11:00-11:15	Jia-Hong Sie (Taiwan,China)	<i>The Characteristics of Small World on Amateur Competitions: the Case of Table Tennis in Taiwan, 2004-2011</i>	Hristo Novatchkov (Austria)	<i>Real-Time Data Acquisition and Performance Analysis in Sports</i>
	11:15-11:30	Yao Yao (China)	<i>Design and Implementation of Sports Winners Performance Management System in Liaoning Province</i>	Chen Shuhui (China)	<i>Construction of the Frame in CFC Applied Computer Class Physical Education Curriculum System</i>
	11:30-11:45	Huai-jin Liu (China)	<i>Development and Application of the Distance Education Resource for China National Sailing and Windsurfing Team</i>	Bjoern M. Eskofier (Germany)	<i>Development of Pattern Recognition Methods for Golf Swing Motion Analysis</i>
	11:45-12:00	Jing Zhao (China)	<i>Research and Development of Multimedia Theory Examination System for Basketball Referees</i>	Haibo Bai (China)	<i>On the Design and Experimental Study of Volleyball Referees' Individualized Computer-aided Teaching System</i>
	12:00-13:30	Lunch and Rest			

IACSS2011—Proceedings of the 8th International Symposium on Computer Science in Sport

Friday Sept 23 rd	13:30-14:15	Keynote speech 6 Martin Lames (Germany) Positional Data in Game Sports – Validation and Practical Impact			Lecture Hall Moderator: Yong Jiang
	14:15-15:00	Keynote speech 7 Peter O'Donoghue (UK)			
	15:00-15:30	Refreshments			
	Oral presentation	Conference Room 1 Moderator: Roger Bartlett		Conference Room 2 Moderator: Huiqun Zhao	
	15:30-15:45	Patrick F. Kugler (Germany)	<i>Mobile Recording System for Sport Applications</i>	Theodore A. Vickey (Ireland)	<i>Mobile Fitness Apps and Twitter – A Systemic Review</i>
	15:45-16:00	Lejun Shen (China)	<i>Probabilistic Graphical Model and Monte Carlo Simulation of Sport Competition</i>	Shuhui Chen (China)	<i>The Design and Application of Teacher Management System for Sports Institutions Based on Internet</i>
	16:00-16:15	Daniel Link (Germany)	<i>Notational Analysis in Beach Volleyball Using Positional Data</i>	Keith Lyons (Australia)	<i>Secondary Data Analysis of the 2011 Asian Football Cup: Goal Scoring and FIFA Ranking</i>
	16:15-16:30	Yong Peng (China)	<i>Gray prediction based-on MATLAB on Chinese and foreign Men's swimming accomplishments in the Olympic Games</i>	Ling Zhu (China)	<i>A Design and Exploitation of Teaching Service System for Chinese Table-tennis Coaches' Post Training</i>
	16:30-16:45	Chikara MIYAJI (Japan)	<i>A New Browsing Method for Sports Video on the Internet</i>	Ertan Hayri (Turkey)	<i>Archery Skill Indexes: Estimation of Archers' Performance Level by Using Forearm Surface EMG Data</i>
	16:45-17:00	Fang Qi (China)	<i>Research On Predication of Sports Achievements Basing on the BP Nerve Network and the Implement of MATLAB's Simulation</i>	Zhao Peiyu (China)	<i>The Research and Application in Physical Education Class by Mobile Learning based on UC Browser and BTN System</i>
	17:00-18:00	IACSS General Assembly			
	18:00	Dinner			

IACSS2011—Proceedings of the 8th International Symposium on Computer Science in Sport

Saturday Sept 24 th	08:30-09:15	Keynote speech 8 Dario G. Liebermann: Technological Diffusion Between Sport Science and Motor Rehabilitation Science			Lecture Hall Moderator: Yaping Zhong
	09:15-09:45	Refreshments			
	Oral presentation	Conference Room 1 Moderator: Peter O'Donoghue		Conference Room 2 Moderator: Yicheng Xu	
	9:45-10:00	Bahadorreza Ofoghi (Australia)	<i>Has the Addition of the Elimination Race to the Track Cycling Omnium Benefitted Sprinters or Endurance Riders?</i>	Rajesh Kumar (India)	<i>A Study on Differences of Hand Timing and Electronic Timing in 100M Run and 800M Run in Elite Athletic Competition in India</i>
	10:00-10:15	Minchao Zhang (China)	<i>Strategies Study Of Sports Colleges Digital Campus Construction</i>	Sheng-li Zhang (China)	<i>3D Animation Based on 3D MAX Assisted Teaching and Training of Wushu</i>
	10:15-10:30	Chunyu Bao (China)	<i>The finite element study on waist loads for modern office worker with computer</i>	Ziwen Huo (China)	<i>The Research on new Characters of Pick and Roll Performance From 2010 Turkey FIBA World Championship</i>
	10:30-10:45	Qiurong Wang (China)	<i>Modeling for Cooperative Sports Based on Multi-agent System</i>	Yin-jiun Tseng (Taiwan, China)	<i>A Brief Introduction to CTTC Amateur Table Tennis Players Rating System and Its Statistics Results</i>
	10:45-11:00	Kiyoshi Osawa (Japan)	<i>Computation of an Optimal Batting Order in Baseball Team on a Parallel Computing Platform with GPGPU</i>	Yu Dong (China)	<i>Flash Sports Material Library Construction and Design Principles</i>
	11:00-11:15	Yi Liu (China)	<i>The comprehensive analysis on the technique index of the top 16 teams of the 2010 Men's FIBA World Championship</i>	Liaozhen Ning (China)	<i>System design of Automatic range finder for standing long jump in Physical testing</i>
	11:15-11:30	Franz Gravenhorst (Switzerland)	<i>Analyzing rowing crews in different boat shells based on angle and acceleration measurements</i>		
	11:30-12:00	Closing Speech			
	12:00-13:00	Lunch			
	13:00	Departing			

- 参会人员出入餐厅及会场，请佩带参会证件，谢谢您的配合。

Please always wear your registration card during the congress and present it.

- 晚宴信息

欢迎晚宴定于 9 月 22 日晚 18:00 在榕港海鲜大酒楼(国和路 488 号，电话 021-55788777)举行，请准时出席。

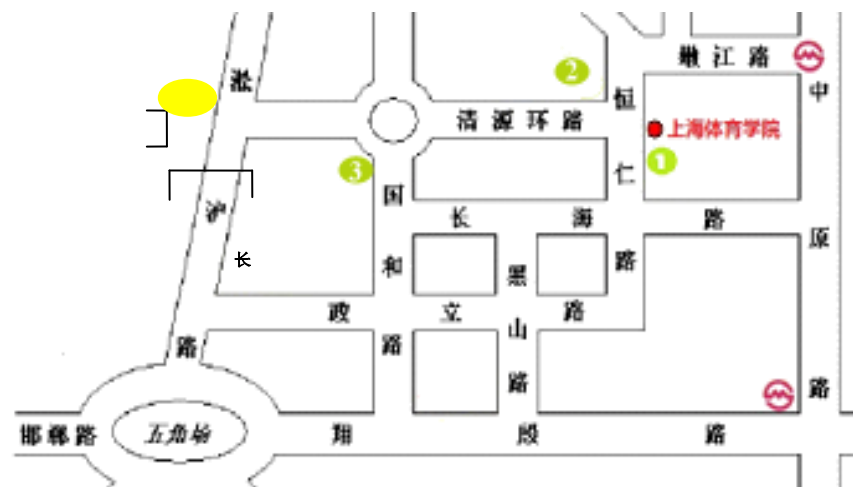
The welcome dinner will be held on Rong-gang Restaurant(No.488 Guo-he Road, Tel: 021-55788777) at 6:00pm Sept 22nd.

- 口头报告代表请在 9 月 21 日 10:00-17:00pm 提交 PPT，地点第二会议室

Oral presenters please submit the PPT and test projecting equipment at Session 2 from 10:00am-5:00pm on Sept 21st

- 参加墙报交流的作者请于 9 月 22 日 10:00-17:00 到会场指定的位置张贴海报，并于 9 月 23 日下午 14:00-16:00 领取证书

Poster presenters please submit your poster on the desk from 10:00am-5:00pm on Sept 21st when you register and get your certificate from 2:00pm-4:00pm on Sept 23th.



上海体育学院



(Shanghai University of Sport)

1 图文信息楼 (Graphic Information Building)

2 第二餐厅 (Refectory)

3 榕港海鲜大酒楼 (Rong-gang Restaurant)