

IACSS - Newsletter

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INSIDE IACSS

PREAMBLE

7th International Symposium *Computer Science in Sport* in Canberra, Australia, September 23-26, 2009.

INTERESTED PERSONS/COLLEAGUES

At present 458 colleagues from 51 countries are interested in IACSS – they either are subscribed to receive this Newsletter or to the E-Group.

Imprint

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7th International Symposium – IACSS 2009; September 23-26, 2009, Canberra, Australia

The 7th International Symposium on Computer Science in Sport will provide a forum for leading researchers and product developers in the fields of computer science and sport technology to discuss and explore the latest developments in educational and applied sport and performance technology as well as opportunities for continued advancement and research in these areas. It will be organized at the Australian Institute of Sport.

Details to follow.

IACSS - Membership

The membership is open to individuals, groups, and national and international organizations interested in computer science in sport. Membership in the Association consists of the following classes: member, fellow, student member, special member and affiliate member. Membership generally requires the submission of an application accompanied by the appropriate fee as prescribed at the time of the application.

Fees:

Professional Membership: 35 Euro per year.

Student Membership: 15 Euro per year.

Special Membership: 15 Euro per year.

Organization: In agreement with the Board (of Directors).

This includes the annual subscription to the E-Journal 'International Journal of Computer Science in Sport' (IJCSS).

The membership year is the calendar year.

The Membership Application Form can be found on www.iacss.org under IACSS-Registration.

INSIDE THIS ISSUE

- 1 Inside IACSS
- 1 7th International Symposium *Computer Science in Sport*
- 1 IACSS-Membership
- 2 IJCSS - E-Journal
- 2 Upcoming Conferences and Events – Part 1
- 3 Upcoming Conferences and Events – Part 2
- 3 IJCSS – E-Journal-Prices

IJCSS - E-Journal

Volume 6, Edition 2 is online since December, 2007.

This issue contains the following contributions:

B. Weber B./J. Wiemeyer/I. Hermanns /R. P. Ellegast: Assessment of Everyday Physical Activity: Development and Evaluation of an Accelerometry-Based Measuring System

T. Mauthner/C. Koch/M. Tilp/H. Bischof: Visual Tracking of Athletes in Beach Volleyball Using a Single Camera

F. Walter/M. Lames/T. McGarry: Analysis of Sports Performance as a Dynamical System by Means of the Relative Phase

T. McGarry/F. Walter: On the Detection of Space-Time Patterns in Squash Using Dynamical Analysis

F. A. Iturriaga/P. G. Marin/J. I. A. Roque/E. R. Lara: Influence of Efficacy Values on the Condition of Winner or Loser in Numerical Equality in Male and Female Water Polo

This issue can be found at

http://www.iacss.org/ijcss/iacss_ijcss.html.

Invitation to submit papers

The International Journal of Computer Science in Sport (IJCSS) is a refereed electronic journal. Research results with an emphasis on the following topics regarding the application of Computer Science and Mathematics in supporting the development of theory and practice in sport are considered:

- Modelling (mathematical, informatics, biomechanical, physiological)
- Computer aided applications (software, hardware)
- Data acquisition and processing
- Data Bases
- Simulation (interactive, animation, ...)
- Development of theories
- Multimedia / Internet
- Presentation
- Education

The journal does not only serve as a forum for current research from around the world in the field of computer technology in sport. Moreover, there is place to present theories, methods and concepts, which are developed in Computer Science and Mathematics, and applied to Sport Science. IJCSS will also publish editorials, project reports, extended essays, conference reports, forum discussions with experts and between subscribers and company informations.

Guidelines for submission can be found at http://www.iacss.org/ijcss/ijcss_guide.html

Upcoming Conferences

11th Workshop – “Computer Science in Sport” – 7th Symposium of the Section “Computer Science in Sport” from the German Association of Sport Science. May 22-24, 2008, Augsburg, Germany

National Conference – Congress Language: German

Details (in German) can be found at <http://dvs2008.sport.uni-augsburg.de/>.

7th Conference of the International Sports Engineering Association. June 2-6, 2008, Biarritz, France

All aspects of sports engineering will be dealt with. Homepage: <http://www.isea2008.estia.fr/>.

IACSS2008 – Preolympic Congress on Computer Science in Sport. August 5-7, 2008, Nanjing, China

Organized by IACSS and Nanjing University of Science and Technology.

Accompanied by 4 workshops co-organized by relating institutes and associations, including

- 4th International Workshop on Modelling and Simulation in Sport (MSS2008)
- International Workshop of Statistics and Management in Sports (SMS2008)
- International Workshop of Sports Biomechanics and Sports Performance (SBSP)
- International Workshop on Sports Engineering and Sports Equipment (SESE2008).

The conference will provide an excellent environment for participants to meet fellow academic professionals and to communicate most recent findings. The beautiful city of Nanjing with a rich culture, wonderful scenery of lakes and mountains, will definitely create unforgettable memories to bring home.

The Joint 2008 Pre-Olympic Conference will be held at Nanjing on 5-7 August 2008, just before Beijing 2008 Olympic Games (Please note: Beijing 2008 Olympic Games starts from the evening of 8th August.)

Details can be found at

<http://www.olympiccongress.org>.

9th Australasian Conference on Mathematics and Computers in Sport. August, 31 – September 3, 2008, Twin Towns Resort, Tweed Heads, NSW, Australia

The conference will bring together sports scientists who are interested in:

- Mathematical and statistical modelling in sport
- The use of computers in sport
- The application of these to improve coaching and individual performance
- Teaching that combines mathematics, computers and sport.

Conference homepage:

<http://www.anziam.org.au/MathSport/Conference.html>.

World Congress of Performance Analysis of Sport VIII (WCPAS 8). September 3-6, 2008, Magdeburg, Germany

The 8th World Congress intends to cover all aspects of modern performance analysis. The Scientific Programme of the Congress will open new perspectives on the Science and Art of Sport and Performance Analysis as well as issues related to Biomechanics, Motor Control, Analysis of general Exercise, Sports Software Systems, the Coaching Process, Sports Performance Database Management, Neural Networks and Sport, Sports Technology and Analysis of Referees.

The different sessions of the congress will provide a full update on the most important aspects of Performance Analysis and on the latest achievements in the different fields of sport. The fruitful exchange of knowledge and experiences aims at further developing.

Details can be found at the conference homepage

<http://www.ntu.edu.sg/apcst2007/>.

Special Exhibition Computer.Sport – High tech in motion. Opening January 2009, Paderborn, Germany

Computers and sport were the two major fields of interest of Heinz Nixdorf (April 9, 1925 – March 17, 1986, German computer pioneer and businessman). Sport, especially popular sport, fascinated him as early as his childhood and accompanied him throughout his life. Heinz Nixdorf wanted to pass on this fascination and motivate people to exercise. This objective was pursued with great personal and financial commitment: His close ties to the world of sport were documented by his founding of the Ahorn Sports Park in Paderborn in December 1983, as well as by his wide-ranging support for regional sporting activities.

A large special exhibition Computer. Sport is scheduled to open in January 2009 to mark the 25-year anniversary of the founding of Ahorn Sportpark GmbH.

Homepage: <http://www.computer-sport.net/>.

IJCSS – E-Journal - Prices

Prices:

- Standard: 35 Euro
- Students: 15 Euro
- IACSS-members: free
- Members of specific organizations (e.g. ECSS, dvs): 30 Euro
- Institutional subscriptions: 100 Euro

More information:

http://www.iacss.org/ijcss/iacss_ijcss.html