

IACSS - Newsletter

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INSIDE IACSS

PREAMBLE

7th International Symposium *Computer Science in Sport* in Canberra, Australia, September 22-25, 2009.

INTERESTED PERSONS/COLLEAGUES

At present 507 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 22-25, 2009, Canberra, Australia

The Biomechanics and Performance Analysis Department of the Australian Institute of Sport will host the 7th International Symposium on Computer Science in Sport from 22-25 September, 2009.

Confirmed keynote presenters include Dr. Keith Lyons and Dr. Bruce Mason. More will be announced at a later time.

Symposium themes 2009 are:

- Biomechanics/technology
- Multimedia/internet
- Modelling/simulation
- Databases/expert systems
- Performance analysis

On the 22nd specific Workshops will be organized as a slightly separate part of the Conference. Moreover, a Welcome Cocktail Party will take place at this day.

Important Dates

January 30, 2009	Deadline for Submissions
March 30, 2009	Notification of Acceptance
April 30, 2009	Close of Authors Registration

Details can be found at

<http://www.ausport.gov.au/about/events/iacss2009>.

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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: 40 Euro per year.

Student Membership: 20 Euro per year.

Special Membership: 20 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.

Searchable Data Base for Members

The long lasting activities of the IACSS in arranging congresses and publishing scientific articles in its e-journal have led to a plentifulness of information and scientific material in the area of computer science in sport. It is a concern to the IACSS to provide its members with a tool that helps to easily find specific contributions in this pool of data. Therefore it is planned to install a searchable data base which contains all references of congress proceedings of the Congresses on Computer Science in Sport and of articles of the International Journal of Computer Science in Sport exclusively for IACSS members. Additionally the data base will include all references of the publications of the Section Computer Science in Sport of the German Association of Sport Science and of many other resources which deal in the field of Computer Science in Sport.

IACSS 2008 –

Nanjing, P.R. of China

From August 5th to 7th, 2008, the beautiful city of Nanjing hosted the *Joint International Conference of Sports Science and Sports Engineering*. It was held before the 2008 Beijing Olympic Games.

The main conference, *2008 Pre-Olympic Congress on Computer Science in Sport*, mainly organized by the International Association on Computer Science in Sport and Nanjing University of Science and Technology, was accompanied by 4 workshops co-organized by relating institutes and associations, including

- Workshop on Modelling and Simulation in Sports (MSS2008)
- Workshop on Modelling and Simulation in Sports (MSS2008)
- Workshop of Statistics and Management in Sports (SMS2008)
- Workshop of Sports Biomechanics and Sports Performance (SBSP2008)
- Workshop on Sports Engineering and Sports Equipment (SESE2008).

The conference provided an excellent environment for all participants to meet fellow academic professionals, enhance communication and exchange experiences.

Delegates from all five continents attended the symposium and listened to nine keynote speakers. The delegates had the opportunity to hear over one hundred oral presentations. Workshops and a poster presentation completed the program.

Professor Jiang Yong and his colleagues and co-organizers from the Nanjing Universities were wonderful hosts for the Symposium. This was the first IACSS symposium to be held in Asia and a great chance to win many new friends for the International Association on Computer Science in Sport.

IJCSS - E-Journal

Volume 7, Edition 1 is online since June, 2008.

This issue contains the following papers:

E. Brown & P. O'Donoghue: A Split Screen System to Analyse Coach Behaviour: A Case Report of Coaching Practice

B. Eskofie, E. Hartmann, P. Kühner, J. Griffin, H. Schlarb, M. Schmitt & J. Hornege.: Real Time Surveying and Monitoring of Athletes Using Mobile Phones and GPS

P. Lamb, R. Bartlett, A. Robins & G. Kennedy: Self-Organizing Maps as a Tool to Analyze Movement Variability

I. Zanevskyy: Mechanics and Mathematical Modelling of Sport Archery Arrow Ballistics

A. Baca – Book Review: Figuring Sport (by Graeme Cohen & Neville de Mestre)

This issue can be found at
<http://iacss.org/index.php?id=48>.

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
- 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

IJCSS – E-Journal - Prices

Prices 2009:

- Standard: 40 Euro
- Students: 20 Euro
- IACSS-members: free
- Institutional subscriptions: 120 Euro

More information:

<http://www.iacss.org/index.php?id=30>

Download Area

A “download area” has been included into IACSS’s website. From this area original data can be downloaded for testing (benchmarking).

We thank Dr. Harald Boehm from the University of Technology Munich for the first data set comprising data from a Cosmed4 breath analyzer.

If you are also interested to submit data for this area, please contact office@iacss.org!

Upcoming Conferences

Special exhibition Computer.Sport - High tech in motion, Opening January 17th, 2009, Heinz Nixdorf MuseumsForum, Paderborn, Germany

The exhibition will demonstrate the significant role played by current computer-based high tech in today’s sporting world.

Visitors will be provided with a fascinating insight into state-of-the-art developments over 1,000 m² of floorspace. Many of the exhibits can be tested in hands-on fashion at 26 interactive and 12 media stations. Visitors will have the chance to assume the role of presenter in a TV studio, admire ultra-modern sports equipment developed in accordance with the

latest research findings, observe their sprinting prowess and put themselves through the rigours faced by a biathlon marksman.

Details at <http://www.computer-sport.net/>

13th IASI World Congress, March 11-13, 2009, Canberra, Australia

The National Sport Information Centre, a program of the Australian Sports Commission, will host the 13th International Association for Sport Information (IASI) World Congress.

The 13th World Congress has been organised around five sub themes:

1. Online Collaboration Solutions for Sport Information Communities
2. Electronic Sport Information Resource Sharing
3. Information and Research Trends in Sport and Physical Education
4. Sport Performance Analysis Applications and Broadcast Technology Solutions
5. Knowledge Delivery, Online Libraries and Archives

Homepage:

<https://secure.ausport.gov.au/conferences/iasi/home>

27th Annual Conference of the International Society of Biomechanics in Sports, August, 17-21, 2009, Limerick, Ireland

The aim of the organizers is to create a four day symposium which will be remembered for the scientific quality of the proceedings, the friends made and reacquainted, and the traditional Irish welcome that will provoke a return visit.

Homepage: <http://www.isbs2009.com/>