

# IACSS - Newsletter

Volume 9, Issue 1

June 2009

## INSIDE IACSS

### PREAMBLE

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

### INTERESTED PERSONS/COLLEAGUES

At present 484 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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## 7<sup>th</sup> 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.

The symposium will commence with a welcome party on the evening of the 22nd, with optional Workshops throughout the day.

### Symposium themes:

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

### Registration fees (\$AUD) for IACSS members:

- \$450 - Early Bird (30 June 2009)
- \$550 - After 30 June and before 21 August 2009
- \$300 - Student Early Bird (Before 30 June 2009)
- \$400 - Student - after 30 June and before 21 August 2009

### Registration fees (\$AUD) for non IACSS members: (this includes IACSS membership for 2009 and 2010)

- \$525 - Early Bird (30 June 2009)
- \$625 - After 30 June and before 21 August 2009
- \$335 - Student Early Bird (before 30 June 2009)
- \$435 - Student - after 30 June and before 21 August 2009

### The Registration Fee **includes**:

- Attendance for one delegate
- Lunches and refreshments each day.
- Welcome Cocktail Party
- Conference Dinner

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### Keynote speakers:

Prof. Keith Lyons – University of Canberra  
Dr. Bruce Mason – Australian Institute of Sport  
Prof. Arnold Baca – University of Vienna  
Prof. Jürgen Perl – University of Mainz  
Dr. Mihai Lazarescu – Curtin University  
Prof. Martin Lames – University of Augsburg

Details can be found at  
<http://www.ausport.gov.au/about/events/iacss2009>.

## 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](http://www.iacss.org) under IACSS-Registration.

## IJCSS - E-Journal

**Volume 7, Edition 2 is online since December, 2008.**

This issue contains the following papers and reports:

*K. Tanaka & Y. Kurose Y: An Analysis Method of Tactics in Karate Matches Using a Bayesian Network Model*

*M. Pfeiffer: Modeling the Relationship between Training and Performance - A Comparison of Two Antagonistic Concepts*

*T. Jaitner & M. Trapp: Application of Service Oriented Software Architectures in Sports: Team Training Optimization in Cycling*

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

*N. Gantner, K. Witte, S. Giggel & J. Edelmann-Nusser: Training and Competition Analysis in Olympic Archery*

*N. Roznawski & J. Wiemeyer: Interactivity and interactions in e-learning ? Implementation within a blended-learning scenario*

*R. Cejuela, J. A. Pérez-Turpin, J. M. Cortell., J. Llopis & J. J. Chinchilla: An analysis of performance in long-distance rowing by means of global positioning system technology*

*D. Zhong: Towards the sport and wellness ecosystem*

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](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>

## Indian Federation of Computer Science in Sports

The Indian Federation of Computer Science in sports has been recently formed with the sole intention to develop physical education and computer science in the country. It has got affiliation to the International Association of Computer Science in Sports.

Details at <http://www.ifcss.in>

## Upcoming Conferences and Events

Asian Conference on Physical Education & Computer Science in Sports, December, 11-13, 2009, Hyderabad, India

The International Association of Computer Science in Sports has allotted the Asian Conference on Physical Education and Computer Science in Sports to the Indian Federation of Computer Science & Sports to promote Physical Education and Computer Science in Asia.

Central topics include, amongst others:

- Modelling (mathematical, informatics, biomechanical, physiological)
- Use of Computer Science in Sports
- Bio Mechanics & Kinesiology
- Sports Coaching & Sports Management
- Latest Trends & Technologies in Sports
- Psychological application in sports & Games
- Media towards Sports
- Sports Medicine

Deadline for submission of abstracts is October 20, 2009.

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

8th Conference of the International Sports Engineering Association, July, 12-16, 2010, Vienna, Austria

The institute for Biomechanics and Sports Engineering of the University of Applied Sciences Vienna will host the conference themed "Engineering Emotion". During the four day conference 150 papers and 30 posters on sports equipment and

- apparel
- biomechanics
- motion analysis
- pervasive computing in sports
- and many others

will be presented.

In addition to the dense scientific program sports and cultural side-events will guarantee for an informal atmosphere.

Important deadlines:

- abstract submission: 18.10.2009
- full paper submission: 17.01.2010
- early bird registration until 31.03.2010

ISEA 2010 - an event that combines modern technologies and imperial culture to create an unique experience!

Homepage: <http://isea2010.technikum-wien.at>

15th Annual Congress of the European College of Sport Science, July, 23-26, 2010, Antalya, Turkey

IACSS has been invited to organize an Exchange Symposium titled "Computer Science and Sport Performance".

Details to follow.

More information:

<http://www.ecss-congress.eu/2010/>