

IACSS - NEWSLETTER

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IACSS FACTS

IACSS exists since **10 years**, more on that in the next issue of the newsletter.

Currently, there are seven **national associations** (including the recently founded British Association for Computer Science in Sport and Exercise (BACSSE), see below).

Issue 1 of volume 12 of the International Journal for Computer Science in Sports (IJCSS) is published.

At present **593 colleagues** from over 50 countries **are interested in IACSS** – they either are subscribed to receive this Newsletter or to the E-Group.

Subscribe to E-Group:

<http://www.iacss.org/index.php?id=34>

IMPRINT

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9TH INTERNATIONAL SYMPOSIUM – IACSS 2013, JUNE 19-22, 2013, ISTANBUL, TURKEY

The 9th International Symposium on Computer Science in Sport was held from 19th – 22nd of June at the School of Physical Education and Sports at Marmara University in Istanbul, Turkey. It was organized by the International Association of Computer Science in Sport (IACSS) and the Turkish Association of Computer Science in Sport (TACSS). Due to political events not in the responsibility of the organizers the congress venue had to be changed to Marmara University only two weeks before the conference; a warm thank you from the IACSS board to our colleagues from Marmara University for making this possible.

190 scientists and experts from 20 different countries attended the conference. The following presenters gave inspiring keynote lectures:

Dr. Peter Carr (Disney Research Pittsburgh): *Realtime Player Detection and Pattern Recognition in Team Sports Using Computer Vision*

Prof. Roger Enoka (University of Colorado): *Adaptations in Physical Performance from Childhood to Senescence*

Prof. Güven Erdil (Marmara University): *Digital Library for Sport Scientists*

Prof. Dario Farina (University of Göttingen): *Neurophysiology meets biomechanics: From motor neuron models to the estimation of joint moments in natural movements*

Prof. Kemal S. Türker (Koc University): *Control of Movement: Proprioception and Feedback Mechanisms*

Furthermore, there were 16 invited speakers giving presentations in six sessions. Since every scientific conference depends on interesting and enriching oral presentations there were many stimulating contributions in seven sessions in which talks were sometimes given in four lecture halls in parallel.

The 9th Symposium on Computer Science and Sport also was the first Conference in this series where there was a young investigators award. The award was made possible because of the sponsoring of Delsys Inc.

In first place Hristo Novatchkov (Vienna) and Nicole Bandow (Magdeburg) came in. The second price was awarded to Thomas Kempe (Cologne) and Christoph Weber (Munich).

Despite the problems mentioned before the congress site and the city of Istanbul did not fail to put the oriental spell on the participants. Golden Horn and Bosphorus, Hagia Sophia and Blue Mosque, Spice market and Turkish restaurants made a deep and lasting impression to all the international guests. The political circumstances of these days gave rise to interesting discussions with locals and internationals and there was also room for interesting visits at Taksim Square.

IACSS thanks the main organizer Assoc. Prof. Dr. Hayri Ertan for making the whole conference possible, Muge Duman and the TeamCon team for the great organization and support, and all other involved parties and helping hands for the good spirit created.

GENERAL ASSEMBLY 2013

During the 9th Symposium on Computer Science and Sport in Istanbul the biannual general assembly of IACSS was held. One of the main topics was the election of the new Board of Directors.

President: Martin Lames (Munich, Germany)

General Secretary: Stuart Morgan (Canberra, Australia)

Treasurer: Michael Stöckl (Vienna, Austria)

Moreover, the general assembly decided to elect Arnold Baca as Honorary President for all the efforts he put into IACSS as president during the last six years.

Elected Members of IACSS Board

Hayri Ertan (Turkey)

Larry Katz (Canada)

Rajesh Kumar (India)

Keith Lyons (Australia)

Chikara Miyaji (Japan)

Didier Seyfried (France)

Josef Wiemeyer (Germany)

Kerstin Witte (Germany)

Hui Zhang (China)

Christian W. Dawson (UK)

Honorary Presidents of IACSS

Arnold Baca (Austria)

Jürgen Perl (Germany)

TECHNICAL INFORMATION

Until today, the IACSS has no own bank account and shares one with the Austrian Association of Computer Science in Sport. This will be changed soon and IACSS will have its own account. The details of this account will be announced soon.

Furthermore, the motivation of the IACSS members to voluntarily pay their annual membership fees was continuously decreasing in the last couple of years. For this reason we decided to set up a deadline for this payment in future. It will be early in the year, and everyone will be asked to transfer the membership fee for the whole year. We will start with this process beginning with 2014. All members who have to pay their membership fees for the respective year will be informed in time.

Please help to make IACSS an active association!

PAST EVENTS AND CONFERENCES

"Computer Science in High Performance Sport - Applications and Implications for Professional Coaching", June 30-July 03, 2013, Schloss Dagstuhl, Germany

From June, 30th to July, 3rd, 2013 an impressive seminar on "Computer Science in High Performance Sport - Applications and Implications for Professional Coaching" was successfully organized at Schloss Dagstuhl - Leibniz Center for Informatics. After 2006, 2008, and 2011 this seminar was the fourth on computer science in sport which was held in Dagstuhl.

This year emphasis was put on the interface between computer science and the high performance sport, in particular on coaching. The seminar focused on barriers that prevent coaches from embracing sport and computer science, and, how data can be presented in a more meaningful way so that coach's expertise is enabled (rather than threatened) by science.

About 30 invited participants, scientists and coaches, gave talks and had enriching discussions about sport science, match analysis, performance analysis and optimization, computer-supported training, positional tracking and 3D motion reconstruction, real-time performance feedback, and computer sport games.

IACSS thanks the organizers Koen Lemmink (The Netherlands), Stuart Morgan (Australia), Jaime Sampaio (Portugal), and Dietmar Saupe (Germany).

At the end of the conference Ricardo Duarte (Portugal), Björn Eskofier (Germany), Patrick Lucey (Australia), and Josef Wiemeyer (Germany) were selected as organizers for the next conference in this series of computer science in sport seminars at Schloss Dagstuhl.

Web site:

http://www.dagstuhl.de/en/program/calendar/semhp/?se_mnr=13272

NEWS FROM NATIONAL ASSOCIATIONS

Foundation of British Association on Computer Science in Sport and Exercise

The British Association for Computer Science in Sport & Exercise (BACSSE) was officially founded on 14th of January, 2013, at a meeting held in London at the British Computer Society. BACCSE is the 7th national association of IACSS.

Slovak Association of Computer Science in Sport

A Slovakian national association for Computer Science in Sport is about to be founded, more in one of the next issues.

Contact: Erika Zemkova [zemkova@yahoo.com]

IJCSS - E-JOURNAL

Volume 12, 2013, Edition 1 is online since June, 2013.

The issue contains the following research papers and reports:

Research Papers

Nicolas Houel, Antoine Faury & Didier Seyfried: Influence of the Point of Attachment of two Accelerometers on the Assessment of Squat Jump Performances

Stephen J. Robinson: Optimizing Youth Baseball Batting Orders

Project Reports

Jürgen Perl, Andreas Grunz & Daniel Memmert: Tactics Analysis in Soccer - An Advanced Approach

Part 2 - Special Edition

Oliver Hummel, Ulrich Febr & Katja Ferger: Beyond iBeer - Exploring the Potential of Smartphone Sensors for Performance Diagnostics in Sports

Heike Leuthener & Bjoern M. Eskofier: Heart Rate Variability During Physical Exercise

Josef Wiemeyer: Music and Sound in (Exer)Games

This issue can be found at

<http://www.iacss.org/index.php?id=143>.

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.

The membership fee 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 <http://www.iacss.org> under IACSS-Registration.

IJCSS – E-JOURNAL - FEES

Fees 2013/14:

Standard:	40 Euro
Students:	20 Euro
Institutional subscriptions:	120 Euro

More information:

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

UPCOMING CONFERENCES AND EVENTS

IACSS Australasian conference, June 22nd to 24th, 2014 Darwin, Australia

Due to increasing interest in Computer Science in Sports especially in the Asia-Pacific region IACSS is grateful to our Australian colleagues Ian Hazelwood, Antony Bedford, and Stuart Morgan to take the responsibility to organize this conference. The beautiful city of Darwin with its outstanding conference sites will make it attractive for participants from all over the world.

Conference of the German Association of Computer Science in Sport, September 10th to 12th, 2014, Vienna, Austria

From September 10th to 12th, 2014 the biannual conference of the German Association on Computer Science and Sport (dvs-Sektion Sportinformatik) will be held at the Institute of Sport at the University of Vienna. Arnold Baca and the organizing team are looking forward to welcome many interested scientists. Presentations in English are welcome.

Application and updates on

<http://sportinformatik.at/dvs2014/>