

IACSS - Newsletter

Volume 4, Issue 1

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INSIDE IACSS

PREAMBLE

IACSS will become a member of ICSSPE.

Two issues of the E-Journal have been published.

INTERESTED PERSONS/COLLEAGUES

At present 243 colleagues from 40 countries are interested in IACSS – they either are subscribed to receive this Newsletter or to the E – Group.

Imprint

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Cooperation with ICSSPE

IACSS will become an institutional member of ICSSPE, the International Council of Sport Science and Physical Education. The president of IACSS, Prof. Juergen Perl, visited Prof. Gudrun Doll-Tepper, president of this important international organisation, in Berlin. Prof. Doll-Tepper was interested in cooperation with IACSS. A consultation of the members of the Board of Directors of IACSS showed general agreement. IACSS therefore applied for membership. Annual membership fee is 227 USD.

The main purpose of ICSSPE is to serve as an international "umbrella" organisation concerned with the promotion and dissemination of results and findings in the field of sport science and their practical application in cultural and educational contexts. Detailed information can be found at <http://www.icsspe.org>.

In the course of this new cooperation a symposium on "Computer Science in Sport" will be organized as part of the 11th Pre-Olympic Congress, which will take place from August 6-11, 2004, in Thessaloniki, Greece (<http://www.preolympic2004.com>). Four presentations will be included:

- 1.Introduction: "Computer Science in Sport: An Introduction to History and New Approaches" - Juergen Perl (University of Mainz, Germany)
- 2."Application of Information Technology to Improve Sport Performance"- Arnold Baca (University of Vienna, Austria)
- 3."Notational Analysis" - Mike Hughes (Centre for Performance Analysis, Cardiff, Wales, UK)
- 4."From Simple to Complex Understanding of Performance by Alternative Modelling" - Natalia Balagué (University of Barcelona, Spain)

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IJCSS - E-Journal

Volume 2, Edition 1, containing the papers presented at the 4th International Conference "Computer Science in Sport", which has been part of the COM & COM event (Barcelona, 2003, see previous issue of this newsletter) is online since November 11, 2003. The following keynote lectures (full papers) are included: Computer Science Applied to Competitive Swimming: Analysis of Swimming Performance and Fluid Mechanics (R. Arellano), Computer Science Based Feedback Systems on Sports Performance (A. Baca), E-Learning Experience of the "Virtual Campus of Sport" (D. Blázquez, J. Calvo), An Example of Reliability Testing and Establishing Performance Profiles for Non-Parametric Data from Performance Analysis (M. Hughes, S. M. Cooper, A. Nevill, S. Brown), Computer Science for Top Level Team Sports (M. Lames), Scientific Information Asset Management: A Perspective for Research and Education in Europe? (J. Mester, U. Wiggers), On the Long-Term Behaviour of the Performance-Potential-Metamodel PerPot: New Results and Approaches (J. Perl), Computer Science for Planning, Programming and Balance Process in Sport Coaching (A. Rivas), Learning with Multimedia - More Promise Than Practice? (J. Wiemeyer).

Volume 2, Edition 2, containing the papers presented at the 1st International Conference "Complex Systems in Sport" which has been part of the COM & COM event (Barcelona, 2003, see previous issue of this newsletter) is online since December 12, 2003. The following keynote lectures (full papers) are included: Complex Systems insights to building effective teams (Y. Bar-Yam), Fractal Analysis of Speed and Physiological Oscillations in Long- and Middle-Distance Running: Effect of Training (V. Billat et al.), Acquiring Skill in Sport: A Constraints-Led Perspective (K. Davids, D. Araújo, R. Shuttleworth, C. Button), Coordination Dynamics and its Consequences on Sports (W. Schoellhorn), Dynamic Systems and Performance in Team Sports (F. Seirul-lo Vargas), Models of Ventilatory Control During Exercise: Peripheral Chemoreflex Considerations (S. Ward), Intensity-Dependent Limitations to Exercise Tolerance: Clues from Dynamic Analysis of Pulmonary Gas Exchange (B. Whipp).

The next issue is scheduled for July, 2004.

9th Annual Congress of the European College of Sport Science

Sessions related to Computer Science in Sport will be part of this conference, which will take place from July 3-6, 2004, in Clermont-Ferrand, France (<http://www.ecss2004.com>). In addition to a symposium on "Information technology and management" (organized by Joachim Mester), "Computer Science in Elite Sport" is included within the free topics for thematic sessions.

Deadline for submission of abstracts is February 15, 2004.

1st International Working Conference IT and Sport & 5th Conference dvs-Section Computer Science in Sport (Cologne, September 15-17, 2004)

The German Sport University Cologne (GSUC) is the host of the Congress, which is organized by the German Society of Sport Science, the International Federation for Information Processing, the (German) Society for Informatics and GSUC. The conference will include keynote lectures, invited sessions, thematic sessions, poster presentations and technical exhibitions. Conference topics are *modelling and simulation, information management and e-learning, knowledge management, multimedia and visualisation, data management and analysis, web site creation, communication network and protocols for sport events, robotics and RoboCup*. Detailed information can be found at <http://www.it-and-sport.de>.

Deadline for submission of abstracts is May 31, 2004.

7th Conference on Mathematics and Computers in Sport

This conference will be held on 30 August - 1 September 2004 at Massey University, Palmerston North, New Zealand. The organiser is Associate Professor Hugh Morton. This three-day conference will bring together sports scientists who are interested in *mathematical and statistical modeling in sport, the use of computers in sport, the application of these to improve coaching and individual performance, and teaching that combines mathematics, computers and sport*. Previous conferences on Mathematics and Computers in Sport (1 through 4 and 6) have been held at Bond University, Gold Coast, Queensland, every two years since 1992. The Fifth conference on Mathematics and Computers in Sport was held in Sydney, the 2000 Olympic city. Invited speakers for 2004 are

Mike Hughes, Director, Centre for Performance Analysis, University of Wales, Cardiff:
Notational Analysis - Computerised Analysis of Rugby Union, Producing and Managing Large Sport Databases, and Some Aspects of Modelling and Fuzzy Logic.

Keith Davids, Dean, School of Physical Education, University of Otago, Dunedin:
Dynamical Systems Theory and Chaotic and Complex Systems in the Study of Coordination, Motor Control and Skill Acquisition in Human Movement

More information can be found at <http://7mcs.massey.ac.nz/>.

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

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.