COSISP - Newsletter

Inside COSISP

Preamble

The 3rd international Symposium on Computer Science in Sport in Cardiff is upcoming. Preparatory work for the 4th Symposium in Barcelona in 2003 has started

Members update

Our community grows. At present 151 colleagues from 23 countries are interested in COSISP - 80 of these are subscribed to the E-Group and 77 have decided to become members of COSISP.

Outlook - next issue

The next issue will be published after the ECSS – Congress.
Planned Topics are:

- Reports from the conferences in Cardiff and Cologne
- Summary of the discussion on the E-Journal
- Inside COSISP

If you have any questions feel free to contact Arnold Baca (arnold.baca@univie.ac.at) or Christian Eder (cheder@chello.at)

INSIDE THIS ISSUE

E-Journal "Computer Science in Sport"

A few days ago Arnold Baca has started a discussion concerning a scientific E-Journal dedicated to Computer Science in Sport.
Please feel free and post your comments and ideas on this topic to the E-Group (if you are a member) or send a mail to A. Baca (arnold.baca@univie.ac.at)

The original mail from the E-Group

"Dear all,

In September 1999, the International Working Group on Computer Science in Sport has been founded. In the meantime colleagues from 23 countries have become members of this Working Group.

Since the 3rd International Symposium on Computer Science in Sport (Wales, 26.-29.6., http://cpa.uwic.ac.uk/passcom/) is approaching, I think the time has come to discuss some aspects regarding the future of this Working Group.

A first aspect I would like to address is the question of a scientific journal dedicated to Computer Science in Sport.

I am not aware of any such journal at present.

In my opinion steps should be undertaken to introduce an E-Journal in this field. I believe that such a medium for presenting current research results would be important for the further development of our discipline.

Your comments on this issue are welcome !

Arnold Baca"

Program of PASS.COM/3rd International Symposium on "Computer Science in Sport" (Cardiff/Wales, 26.-29.6.2001)

TUESDAY 26th June	
1000 – 1300	REGISTRATION
1300 – 1400	LUNCH
1400 – 1530	**Opening Ceremony** *Keynote Speaker* Designing observational systems to support top-level teams in game sports *Martin Lames, University of Rostock, Germany*
1530 – 1600	TEA & COFFEE
1600 – 1730	**PARALLEL SESSIONS - PA/CSS** A notational analysis system for kayak and rowing analysis *Barry Howorth and Mike Lauder* Software for the analysis and qualitative evaluation of team sports *Perez Toledano, Miguel Angel, Macias Garcia, Maria de las Mercedes, Ibanez Godoy and Sergio Jose* From Time-Motion Analysis to Specific Intermittent High Intensity Training *Angela Huey, Philip Morrow and Peter O'Donoghue*
1730 – 1830	POSTERS and EXHIBITION
EVENING	COCKTAIL PARTY and WELCOME DINNER

Following posters will be presented in the exhibition:

Description and primary validation of a game understanding test in volleyball
Mikko Häyrinen, Minna Blomqvist, Pekka Luhtanen, Kare Norvapalo and Tomi Vänttinen - KIHU - Research Institute for Olympic Sports, Jyväskylä, Finland.

Methodical concept of training loads optimisation in sprint contest
Tomasz Gabrys - Academy of Physical Education, Katowice, Poland.

Analysis of game performance of the Portuguese Volleyball Team in high level competitions
Carlos Moutinho - Faculty of Sport Sciences and Physical Education, University of Porto, Portugal,

The effects of mint on the muscle pain and lactic level
M. Çolak[1], G. T. Sönmez[2], S. Sönemz[2],
[1]Physical Education and Sport Department, Faculty of Education, Atatürk University, Erzincan. [2] School of Physical Education and Sport, Department of Training Science, Abant Izzet Baysal University, Bolu - TURKEY.

Effects of nasal strip on the aerobic capacýty and endurance performance time of traýned and untrained subjects
Sönmez S., Sönme T.G., Yüktasir B., " imsel Ö., Çolak R. - Abant Ýzzet Baysal Üniversitesi, School of Physical Education and Sports, *BOLU*, TURKEY.

Effect of sports training using weight reduction belt on local fat and blood and urine cholesterol, triglyceride, HDL and LDL levels on middle age woman
Noshin Esfehani - Research Board of Sport Physiology Department of Alzahra University

Evaluation of occupational stress factors (organizational and managerial) among heads of physical education organizations
Hassan Asadi - Scientific Board of Sports Management Department, Tehran University, Iran

Validation of a notational analysis system in soccer
Kare Norvapalo, Pekka Luhtanen, Tomi Vänttinen, Mikko Häyrinen and Minna Blomqvist - KIHU - Research Institute for Olympic Sports, Jyväskylä, Finland

In addition to the named posters 21 presentation of various student-works will also be presented.

WEDNESDAY 27th June (RU and Racket Sports)

0900 – 0930	EXHIBITION and POSTERS and NETWORKING		
0930 – 1030			
Keynote Analysis of coaching *Ian Franks*	*Keynote* From Analysis to coaching in rugby union *Kevin Bowring*	*Keynote* Tactical performance profiling in elite level squash *Stafford Murray, Performance Analyst, SRA.*	*CPA – Support programme* Practical courses in SPORTSCODE Jon Moore
1030 – 1100	TEA & COFFEE		
1100 – 1230	**PARALLEL SESSIONS**		
CSS/PA Web site for kinanthropometric diagnosis in sports performance *Eduard Tomany and Leo Pavicic.* A simulation of internet enhanced motor learning *Ruth Morey Sorrentino.* Long - range correlations in training patterns – evidence for the fractal nature of the training process *Robert Hristovski , Ljupco Kocarev and Darko Dimitrovski.* Web based tool for the evaluation in physical education *Predrag Vujasinovi and Leo Pavicic*	*PA (RU)* A Match Analysis of the 1999 Rugby Union World Cup *Philip Hunter and Peter O'Donoghue* Goal setting effects upon performance behaviours in male rugby union players *Stephen D. Mellalieu* Datasuit and Computer Profiling *Ray Pointing, Frank Edwards and Jon Joiner*	*Keynote* Performance profiling in sport *Mike Hughes*	*CPA – Support programme* Practical courses in SILICON-COACH *Jon Moore*
1230 – 1330	LUNCH		
1330 – 1500	**PARALLEL SESSIONS**		
RU Using computerised analysis systems in the sport of rugby union. *Jon Moore*	*PA – Racket sports* Performance profiling in badminton *Steve Evans and Mike Hughes* Is notational analysis research?: A repeated investigation of tennis strategy *Peter O'Donoghue* Overall performance activities of a national squash coach *Mike Hughes and Gareth Webber* Movement analysis of elite women squash players *Julia Wells and Mike Hughes*		
1500 – 1530	TEA & COFFEE		
1530 – 1630	**PARALLEL SESSIONS**		
Workshop Mapping the world game of rugby union *Coris Thomas and Jason Williams*	*Rackets* SILICONCOACH for TENNIS *Joe Morrison*	*Rackets Analysis Workshop* Performance profiling *Stafford Murray & Steve Evans*	
EVENING	1630	MILLENIUM STADIUM	
	1815	Buffet @ BAR ICE	
	2100	PUB CRWAL AROUND CARDIFF	
	LATER	REDS CLUB	

THURSDAY 28th June(Soccer)

0900 – 1000	EXHIBITION and POSTERS and NETWORKING	
1000 – 1130	**PARALLEL SESSIONS**	

Keynote – CSS Learning with multimedia – concepts and experiences *Josef Wiemeyer*	*Keynote – PA* Computerised analysis of soccer *Jean-Francis Grehaigne*	*CPA – Support programme* Practical courses in SPORTSCODE *Jon Moore*

1100 – 1130	TEA & COFFEE	
1130 – 1300	**PARALLEL SESSIONS**	

CSS/PA Detecting Hidden Time Patterns in Football *G. K. Jonsson, A. Borrie, S. H. Bjarkadottir, B. Gislason* Validation of a notational analysis system in soccer *Kare Norvapalo, Pekka Luhtanen, Tomi Vänttinen, Mikko Häyrinen and Minna Blomqvist* The existence of techno-tactical contingent operational lines along the fields' longitudinal axis as opposed to predefined strategic spatial planned lines along the fields' width axis, in football. *Marc Verlinden, Dirk Van Onsem and Rene Goossens*	*Soccer Workshop* Football Stories – from the media.Michael *Burke, Producer, Ch4..*	*CPA – Support programme* Practical courses in SILICONCOACH *Jon Moore*

1300 – 1400	LUNCH	
1400 – 1530	**PARALLEL SESSIONS**	

Keynote – CSS Computer Science and performance analysis in sports - Interdisciplinary aspects in research and education *Arnold Baca, University of Vienna*	*Keynote – PA* A computer aided team analysis of the euro 2000 in soccer *Pekka Luhtanen, Finland*	*CPA – Support programme* Practical courses in SPORTSCODE *Jon Moore*
CSS The role of technology in coaching: enhancing the practice through education, drills databases, and practice planning *Brad Kilb, Larry Katz and Tsily Liebermann* Designing computer enhanced instruction for sport *Ruth Morey Sorrentino*	PA Time-motion analysis of FA Premier League soccer competition *Peter O'Donoghue and Darren Parker* Patterns of play in the 1986 and 1998 World Cups for soccer. *Mike Hughes and Andrew Pettit*	

1530 – 1600	TEA & COFFEE	
1600 – 1730	**PARALLEL SESSIONS**	

Keynote – CSS Computerised Analysis of sport – an alternative to drugs *Tony Kirkbride*	*Keynote* Motor control and skill exercises for junior soccer players *Waldemar Winkler*	*CPA – Support programme* Practical courses in SPORTSCODE *Jon Moore*
Computerised system for analysing sports *Ian Mitchell*	Association Football: Match Analysis at Junior International Level (Aged 15-18) *Jim Lawlor, Stephen O'Brien, John Stanhope.* The Technical Demands of Academy Soccer Players Aged 9-16 years.*Michael Court, Patrick Riley, Julian Ward.*	

1730	POSTERS & EXHIBITION + CONFERENCE DINNER in CARDIFF CASTLE	

FRIDAY 29th June

0900 - 1000	EXHIBITION and POSTERS and NETWORKING		
1000 - 1100	**PARALLEL SESSION**		

Keynote – CSS Artificial Neural Networks in Sports: Concepts and Approaches *Jürgen Perl, University of Mainz, Institute for Computer Science*	*Keynote Speaker* Performance analysis and the coach *Roger Bartlett*	*Keynote Speaker* Real-time Sports Performance Analysis *Tony Kirkbride*

1100 – 1130	TEA & COFFEE		
1130 – 1230	**PARALLEL SESSIONS**		

CSS An alternative computerised scoring system for amateur boxing *Aaron Mullan and Peter O'Donoghue,* A preliminary analysis of coaches' attitudes to the use of technology and science in sport *Larry Katz, Dario G. Liebermann and Ruth Morey-Sorrentino*	*PA* Time-motion Study of Female Field Hockey. *Michele Boddington, Mike Lambert, Alan St Clair Gibson and Tim Noake.* Frequency analysis of netball teams when winning: does the analysis aid understanding of performance *A.Borrie and P.Worrall* The reliability of time-motion analysis using the CAPTAIN System *Elaine McLaughlin and Peter O'Donoghue,*	*PA Workshop* The QUINTIC System *Paul Hurrion*

1230 – 1300	**CLOSING CEREMONY** & Auld Lang Syne		
1300 – 1400	LUNCH and DEPARTURE		

6th Annual Congress of the EUROPEAN COLLEGE of SPORT SCIENCE (ECSS) in Cologne - 24.07.2001-28.07.2001

The Invited Sessions "Computer Science" and "Multimedia and Communication Technologies" as well as the Thematic Sessions "Computer based modelling" and "Multimedia concepts in Sport Science" give a survey of recent activities regarding the use of Computer Science in supporting the development of theory and practice in sport.

IPS09 Computer science - 27.07.2001
Chairs: J. Perl [GER] and A. Baca [AUT]

Introduction

DEVELOPMENT, MAIN AREAS, AND PERSPECTIVES OF COMPUTER BASED MODELING IN SPORT/ M. Lames
CHANGING THE HUMAN MOVEMENT COMPUTER METAPHOR BY MEANS OF COMPUTER SCIENCE/ N. Balagué, C. Torrents, W. Schoellhorn
DATA ACQUISITION AND ANALYSIS IN EXERCISE PHYSIOLOGY: COMPUTERIZED MEASUREMENT OF ENERGY EXPENDITURE/ Y. Weinstein
EDUCATION IN COMPUTER SCIENCE/ J. Wiemeyer, A. Baca

IPS28 Multimedia and communication technologies
Chairs: R. Scholz [GER] and G. Weingarten [ISR]

Introduction

G'DAY AND GOODBYE: REFLECTIONS ON THE OPENING AND CLOSING CEREMONIES OF THE SYDNEY 2000 OLYMPICS/ A. Tomlinson
IS IT TIME FOR A VICTORY LAP? - CHANGES IN THE MEDIA COVERAGE OF WOMEN IN SPORT/ A. Bernstein
THE INTERACTION BETWEEN SPORT AND TELEVISION-THE CASE OF VOLLEYBALL/ G. Weingarten
TELEVISION SPORT AND MEDIA RESEARCH: IMPLICATIONS FOR THE RESEARCH AGENDA/ G. Whannel

TPS05 Computer based modelling
Chairs: M. Lames [GER] and N. Balague [ESP]

Introduction

PERPOT: ON AN ANTAGONISTIC METAMODEL AND ITS APPLICATIONS TO DYNAMIC ADAPTATION SYSTEMS/ J. Perl
SCALE INVARIANT PROPERTIES OF THE TRAINING STIMULI PATTERNS/ R. Hristovski, L. Kocarev
APPLICATIONS OF TIME-VARIANT SPECTRAL ANALYSIS OF SURFACE EMG SIGNALS IN SPORTS/ K. Witte, J. Edelmann-Nusser, B. Schack
FUZZY-MOVEMENT-ANALYSIS/ F. Schiebl
A MODEL OF OXIDATIVE PHOSPHORYLATION IN MAMMALIAN SKELETAL MUSCLE/ B. Korzeniewski, J. A. Zoladz
CAUSAL MODELING OF INFLUENCING FACTORS IN A LONGITUDINAL STUDY ON MOTOR DEVELOPMENT IN ADULTS/ C. C. Okonek
MODELLING KINEMATIC PARAMETERS ON THE 400 MEDLEY BY NEURAL NETWORKS AND WOOLLY INFERENCE SYSTEM/ P. Hellard, L. Vannoorenberghe, M. Avalos

TPS27 Multimedia concepts in sport science
Chairs: U. Rockmann [GER]

Introduction
INTERNET-BASED TEACHING IN MOTOR CONTROL AND LEARNING/ U. Rockmann
TEACHING SPORT SCIENCE BY MEANS OF MULTIMEDIA: CONCEPTS AND EXPERIENCES/ J. Wiemeyer
THE IMPACT OF THE NEW ECONOMY AND THE HIGH TECH IN SPORTS: DIGITAL GAME ANALYSIS FOR ALL/ A. T. Gronbach, B. I. Kepesidis
AN ADAPTIVE PROGRAM SYSTEM FOR THE INTERACTIVE MULTIMEDIA PRESENTATION OF DIFFERENT SPORT DISCIPLINES/ S. Weigelt, U. Fischer, A. Schroth
MULTIMEDIA DEVELOPMENT IN SPORTS WITH SPECIAL FOCUS ON 3D-VISUALIZATION/ F. Seifriz, J. Mester

For more detailed information please visit the official conference-website - http://www.ecss2001.de