

ISBS Newsletter

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Report of the 30th ISBS Conference-Melbourne, Australia

The 30th Conference of the International Society of Biomechanics in Sport (“ISBS2012”) occurred in Melbourne, Australia from the 2nd to 6th of July at the Australian Catholic University. Over 300 delegates attended the conference, which included 66 new members. The conference was officially opened by the Director of the Australian Institute of Sport, Matt Favier, with delegates treated to a performance by the Australian Girls Choir.



Dr Joseph Hamill giving a keynote lecture

The mission of the International Society of Biomechanics in Sport (ISBS) is to bridge the gap between research and practice, and to foster the exchange of ideas between sports biomechanics researchers, practitioners, coaches, and teachers. For that reason the conference offered a unique blend of speakers and sessions, including Professor Joseph Hamill from the University of Massachusetts, an expert on running injury mechanisms and prevention; Dr Nick Brown, the Deputy Director at the Australian Institute of Sport for Research and Applied Science; Dr Shaun

Holthouse, the founder of a local company named Catapult Sport and an expert in emerging technology for athlete tracking; Michelle De Highden, a high performance women’s gymnastics coach who has helped many gymnasts achieve their quest to represent Australia; and the Inaugural Biomechanics Oscar competition. The Biomechanics Oscars competition challenged delegates to submit a 300 sec video to highlight Sports Biomechanics and how we bridge the gap between research and practice. The winning video was entitled “Applying Sports Biomechanics to elite sports programs” which was produced by Damien O’Meara and Suzanne Ramke from the New South Wales Institute of Sport, Australia. Overall 231 papers were presented at the conference (acceptance rate 92%), which included six keynote papers, 101 oral papers, 105 poster papers, 16 invited papers from six applied sessions, and two papers from two ISBS sponsored workshop sessions. The conference programme therefore successfully offered up to date research on sports biomechanics and their applications of researchers from 35 countries around the world.



Throughout the conference delegates enjoyed a range of social activities including a happy (drinks) hour, an Australian Rules Football evening, half-day tours and workshops (e.g. Healesville Wildlife Sanctuary and Domaine Chandon Winery, tennis workshop at the Australian Open venue), and culminating with the closing banquet which

included an Aboriginal smoking ceremony and dance performance. The closing banquet was held at the Zinc function centre which is located between the Yarra River and Federation Square in the heart of Melbourne's Central Business District, close to Flinders Street Station, the Melbourne Arts and Sports Precincts.



The ISBS2012 organisers would like to thank the main conference sponsors Inmed Pty Ltd/Qualisys (Gold level), Kistler Australia (Silver level), and Catapult (Bronze level) and all of the delegates and exhibitors who via their

participation contributed to the success of the conference. To view the winning Biomechanics Oscars video and photos taken throughout the conference, please go to www.isbs2012.com. We look forward to meeting again at ISBS2013 Taipei (www.isbs2013.org).



Reported by Dr Elizabeth Bradshaw
Conference Chair, ISBS 2012
Australia Catholic University, Melbourne

Save the Date: ISBS in Taipei

ISBS 2013 will be held at the Taiwan National Normal University in Taipei, Taiwan from Sunday July 7th to Thursday July 11th, 2013. Details are

available in the ISBS 2013 conference page at <http://www.isbs2013.org>.



31ST CONFERENCE OF THE INTERNATIONAL SOCIETY OF
Biomechanics in Sports
7-11 JULY 2013





ISBS 2013

Student Mentoring Program 2012



“Is this where the student mentor program takes place? “. It is the morning of the first day of the ISBS conference in Melbourne, and the students anxiously drip into the student mentor session room to look for their mentors. After all 20 students found their pre-matched mentor the room is immediately filled with a talkative atmosphere between the pairs, only interrupted to fill up breakfast plates - all shyness is gone. Research topics, career goals and networking opportunities are widely discussed within this first session and an excellent start for the upcoming conference was made. The second session took place as a lunch session on the last day of the conference, at which the breakfast talk was continued and new ideas were further discussed.

“I could introduce my students to two other person related in the field she was interested in...”, “we talked about how to further improve my studies and my mentor gave me some good advice, to which areas I also could look into...”, “this program is great to get in contact with experts, who I would not have contacted otherwise...” are some quotes by mentors and mentees which suggest that the goal of helping ISBS student members with their research confidence and networking abilities, as well as to pass on knowledge of experts in our fields, was highly achieved. I look back on two very good sessions and thank on the one side all the students for taking this opportunity and on the other side the mentors for providing their time to the students. Since this pilot-program received very good feedback, ISBS will continue to provide a student mentor program in the upcoming conferences.

Reported by Dr Gerda Strutzenberger
Board of Directors (2011-2013)
Coordinator of ISBS Student Mentoring Program 2012

ISBS Awards 2012

The Awards Committee announced for the following awards for the year 2012.

Geoffrey Dyson Award

Professor David G Kerwin, Cardiff School of Sport, UK.

Life Member

Professor Bruce Elliott, University of Western Australia, Australia

Fellow of ISBS (FISBS)

- Alfred E. Finch, Indiana State University, USA
- Justin Keogh, Bond University, Australia
- Gongbing Shan, University of Lethbridge, Canada

Hans Gros New Investigator Award (NIA)

Co-1st: Gerda Strutzenberger, University of Salzburg, Austria.

Title: "Pedal forces, lower limb joint kinematics and kinetics in cycling with circular and non-circular chainrings".

Co-1st: Helen Crewe, University of Western Australia, Australia

Title: "Functional screening test associated with altered trunk and pelvis kinematics and low back injury incidence in adolescent fast bowlers".

2nd: Sarah Breen, University of Limerick, Ireland

Title: "The role of previous anterior cruciate ligament injury on the variability of joint kinematics and coordination during a match specific land-cut task".

New Investigator Award (Poster)

1st: Nahoko Sato, Nagoya University, Japan

Title: "Motion characteristics in hip hop dance underlying subjective evaluation of the performance".

2nd: Dan Mikami, Nippon Telegraph & Telephone Corp., Japan

Title: "Inter-trial difference analysis through appearance-based motion tracking".

3rd: Mitsuo Otsuka, Ritsumeikan University, Japan.

Title: "The differences in three-dimensional kinetics in lower limb joints of sprinters and novice runners during a start dash".

CoachesInfo Award for Best Coach Friendly Paper

- Gongbing Shan and Brandie Wilde, University of Lethbridge, Canada

Title: "Know-how of maximal instep kick in soccer".

Reported by Dr Gareth Irwin
Vice President (Awards)

ISBS Sponsors

The society would like to thank the corporate sponsors of ISBS: Sensix, Contemplas, RSscan, and Simi. These sponsors provide important support to the mission of ISBS through their quality products and financial support to the society. Remember to consider these fine vendors of sports biomechanics research equipment and software when updating your lab. Contact Dr. Wolfgang Potthast, Vice President (Public Relations) for more information about ISBS sponsorship.



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ISBS Officers

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| <ul style="list-style-type: none"> ● President: Drew Harrison, University of Limerick, Ireland (drew.harrison@ul.ie) ● President-Elect: Joseph Hamill, University of Massachusetts, Amherst, USA (jhamill@kin.umass.edu) ● Secretary General: Randall Jensen, Northern Michigan University, USA (rajensen@nmu.edu) ● Treasurer: Manfred Vieten, University of Konstanz, Germany (manfred.vieten@uni-konstanz.de) ● VP Awards: Gareth Irwin, University of Wales Institute, Cardiff, UK (girwin@uwic.ac.uk) | <ul style="list-style-type: none"> ● VP Conferences: Hermann Schwameder, University of Salzburg, Austria (hermann.schwameder@sbg.ac.at) ● VP Projects and Research: Jing Xian Li, University of Ottawa, Canada (jli@uottawa.ca) ● VP Public Relations: Wolfgang Potthast, Cologne Sport University, Germany (potthast@dshs-koeln.de) ● VP Publications: Daniel Fong, The Chinese University of Hong Kong, Hong Kong, China (dfong@cuhk.edu.hk) |
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ISBS Directors

2011-2013:

- Ian Bezodis, University of Wales Institute Cardiff, UK
- Elizabeth Bradshaw, Australian Catholic University, Australia
- Youlian Hong, Chendu Sports University, China
- Chengtu Hsieh, California State University, Chico, USA
- Justin Keogh, Bond University, Australia
- Hashim Kilani, Sultan Quaboos University, Oman
- Mario Lamontagne, University of Ottawa, Canada
- Bruce Mason, Australian Institute of Sports, Australia
- John Ostarello, California State University, East Bay, USA
- Gongbing Shan, University of Lethbridge, Canada
- Gerda Struzenberger, University of Salzburg, Austria

2012-2014:

- Jacqueline Alderson, University of Western Australia, Australia
- Ross Anderson, University of Limerick, Ireland
- Peter Chenfu Huang, National Taiwan Normal University, Taiwan
- Young-Hoo Kwon, Texas Woman's University, USA
- Young-Tae Lim, Konkuk University, Korea
- Simon Pearson, Auckland University of Technology, New Zealand
- Karen Roemer, Michigan Tech University, USA
- Chien-Lu Tsai, National Taiwan Normal University, Taiwan
- Cassie Wilson, University of Bath, UK
- Bing Yu, University of North Carolina – Chapel Hill, USA

