

ISBS Newsletter

October 2011
(Vol. 27, No. 2)



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29th ISBS Conference-Porto, Portugal



The 29th Conference of the International Society of Biomechanics in Sports was held from June 27th to July 1st at the University of Porto. Several hundred delegates, corporate sponsors, and guests enjoyed an outstanding scientific and social program. Experimental balloon flights confirmed a year of good future for all in sports biomechanics.



There was excellent attendance at the applied sessions on swimming, track & field, and biomechanical modeling. The keynote lectures featured Youlian Hong, Gert-Peter Bruggemann, Paavo Komi, Walter Herzog, Bruce Elliott, Carlo De Luca, Mark King, and Ann Richter. The proceedings papers were also published as a special issue of the *Portuguese Journal of Sports Sciences*.



Congratulations and thank you to the Portuguese Society of Biomechanics, the University of Porto, and conference co-chairmen Dr. J. Paulo Vilas-Boras (University of Porto) and Dr. Antonio Veloso (University of Lisbon). For more photos of the conference click on the “photos” quick link on the left of the conference web site: <http://isbs2011.fade.up.pt>



President's Column

At the end of the ISBS 2011 conference in June this year I officially became ISBS President for 2011-2012. It is truly a very great honor and responsibility that I undertake in this role of service to the society and I wish to thank all my colleagues for the support and encouragement I have received thus far. I would also like to thank Prof Manfred Vieten for the exceptional leadership he has provided as President of ISBS during the last two years. Manfred will be a difficult man to follow, but I will do my best. On behalf of ISBS, I wish to thank all the outgoing Directors and Officers for the exceptional contributions they have given to ISBS in the last two years or more. While some are assuming other roles on the Board of Directors, others may be turning to new activities outside ISBS, but in all cases we are very grateful for the valuable service they have provided to the society.

It is my great privilege to work as president in a society that provides such a highly stimulating and supportive network of colleagues. A centerpiece of our society's activities is the ISBS annual conference and in true ISBS tradition, the ISBS 2011 Conference was yet another highly successful event. It is vitally important that ISBS meetings continue to live up to their well earned reputation of providing the perfect balance of scientific communication and cultural exchange. During the next few months we (ISBS) will consider ways in which we can improve all aspects of the annual ISBS conference; its

organization and how ISBS supports and advises the conference host. Therefore, a work group will continue the review of policies and procedures which was initially established by Past President Manfred Vieten. By mid-November the work on revised Policy and Procedures document should be completed. In order to formally adopt the revised Policy and Procedures it will be necessary to make some changes in the existing ISBS Bye Laws and these changes will be prepared by the Bye Laws Committee appointed by the President. Therefore a proposal will be presented to the membership before the end of 2011 to adopt revised Bye Laws and a revised set of Policies and Procedures for the selection and hosting of ISBS conferences. I encourage you to participate in the vote on this which should take place sometime in December or early January 2012.

In the meantime I look forward to corresponding with you in the run up to our next conference in Melbourne 2012. I would encourage you all to mark the dates of the conference in your diary now and support the event in whatever way you can either by submitting papers, reviewing papers if invited or attending and encouraging others to attend.

Drew Harrison, President ISBS

2013 ISBS Conference

In 2013 the ISBS conference will be in Taipei, Taiwan. The conference will be organized by the National Taiwan Normal University, the Taiwan Society of Biomechanics in Sports, and Taiwan Society of Biomechanics. Look for information in the future at the ISBS conference page <http://hhp.txstate.edu/isbs/conferences.html> for more information.



Preview of 30th ISBS Conference Melbourne, Australia

The School of Exercise Science at Australian Catholic University would like to extend a warm invitation to you to visit our Melbourne campus for the 30th Annual Conference of the International Society of Biomechanics in Sport. Melbourne is the World's most liveable city, located on the south-eastern coast of Australia, which is only an hour away from the start of the Great Ocean Road; a gateway to the World Heritage listed Twelve Apostles coastline. Melbourne is also home to Australian Rules Football and major sporting events such as the Australian Open Tennis Championships and the Australian Formula One Grand Prix.

The conference programme will feature keynote lectures, and thematic oral and poster presentations. Planned applied sessions include Golf, Gymnastics, Football, and Outdoor Pursuits. In addition, an ISBS sponsored preconference workshop on statistics will be offered on Monday 2nd July before the official opening of the conference. Unique features of the conference will include a half-day Future Scientist Symposium; a parallel event designed to incorporate undergraduate students into the conference, as well as the inaugural Biomechanics Oscars. The Biomechanics Oscars is a 300 second video competition aimed at showcasing our profession and how we bridge the gap between research and practice. Check the conference website for more information and details about the conference.

30th Annual Conference on Biomechanics in Sports

2-6 July, 2012

Australian Catholic University
School of Exercise Science
115 Victoria Parade, Fitzroy VIC 3065
Australia

www.isbs2012.com
info@isbs2012.com

Conference Chair: Dr Elizabeth Bradshaw



ISBS2012 Sponsors:

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ISBS Sponsors

ISBS would like to thank our commercial partners who provide sponsorship for the society. At press time the following have renewed contracts as sponsors of ISBS: Contemplas and Simi Motion.



making an impression

Remember to consider these fine vendors of sports biomechanics research equipment and software when updating your lab. Contact Dr. Wolfgang Potthast, VP of Public Relations for more information about ISBS sponsorship.

2011 ISBS Awards

The **Geoffrey Dyson Award** of the International Society of Biomechanics in Sports recognizes sport scientists who, throughout their professional careers, bridge the gap between biomechanics research and practice in sport. It is the most prestigious award of ISBS because it is the recognition of individuals who embody and carry out the mission of the Society. It is with great honor that I am able to announce that **Dr. Gideon Ariel** will be receiving the award at the 2012 ISBS conference, ACU, Melbourne.

The **Hans Gros New Investigators Award** (HGNI) is always a significant part of the ISBS conference. The purpose of the award is to recognize new researchers and to encourage them to become productive members of the Society by expanding the knowledge base of sports biomechanics through study and dissemination of knowledge. The two categories for the award include poster and oral presentations. The three finalists from **ISBS 2001 Porto** for Oral presentation are shown below with the overall winner being Giulia Mantovani from the

University of Ottawa, Canada.

- 1st Giulia Mantovani, University of Ottawa
- 2nd Gustavo Leporace, Fed. Univ. Rio de Janeiro
- 3rd Julien Vantorre, University of Rouen

The poster presentation HGNI results are shown below with the overall winner of the poster session being Elisa Marques from the University of Porto, Portugal.

- 1st Elisa Marques, University of Porto
- 2nd Toshiyuki Fujihara, University of Alberta
- 3rd Pavle Lederer, Fredrich Schiller University

The award of Life Member is given to those individuals who have made outstanding contributions to the Society. At the ISBS conference in Porto Professor Youlian Hong was award Life Member, to accompany his Dyson Award also presented at the conference.

The award of Fellow of the International Society of Biomechanics in Sports recognizes substantial scholarly and service contributions to ISBS and sports biomechanics. Three candidates were nominated and awarded the title Fellow of ISBS:

- Professor Bing Yu – University of Northern Carolina, Carolina, Chapel Hill, USA
- Dr Kevin Ball – Victoria University, Melbourne, Australia
- Dr Glenn Fleisig – American Sports Medicine Institute, Birmingham Alabama, USA

The **ISBS awards Committee** for 2011 was:

- Prof. Dr. Bruce Elliott, Australia

- Prof. Dr. Young-Hoo Kwon, USA
- Prof. Dr. Ross Sanders, Scotland
- Prof. Dr. Hermann Schwameder, Austria
- Prof. Dr. Jing Xian Li, Canada
- Dr. Wolfgang Potthast, Germany
- Dr. Elizabeth Bradshaw, Australia
- Dr. Marianna Gittoes, Wales
- Dr. Kevin Ball, Australia

In addition, great thanks to our sponsors: RS SCAN, SIMI, and CONTEMPLAS for their support of these awards.

Gareth Irwin, VP Awards

ISBS Officers

- President: Drew Harrison, University of Limerick, Ireland (drew.harrison@ul.ie)
- Past-President: Manfred Vieten, University of Konstanz, Germany (manfred.vieten@uni-konstanz.de)
- VP Awards: Gareth Irwin, University of Wales Institute, Cardiff (girwin@uwic.ac.uk)
- VP Conferences: Hermann Schwameder, University of Salzburg, Austria (hermann.schwameder@sbc.ac.uat)
- VP Publications: Duane Knudson, Texas State

- University, USA (dknudson@txstate.edu)
- VP Public Relations: Wolfgang Potthast, Cologne Sport University, Germany (potthast@dshs-koeln.de)
- VP Projects and Research: Jian Xian Li, University of Ottawa, Canada (jli@uottawa.ca)
- Secretary General: Randall Jensen, Northern Michigan University, USA (rajensen@nmu.edu)
- Treasurer: Manfred Vieten, University of Konstanz, Germany (manfred.vieten@uni-konstanz.de)

ISBS Directors

2010-2012:

- Ross Anderson, University of Limerick, Ireland
- Kevin Ball, Victoria University, Australia
- Young-Hoo Kwon, Texas Woman's University, USA
- John Ostarello, California State University-East Bay, USA
- Karen Roemer, Michigan Tech University, USA
- Antonio Veloso, Technical University of Lisbon, Portugal
- Mark Walsh, Miami University-Ohio, USA
- Qing Wang, China Society of Sports Biomechanics, Beijing, China
- Cassie Wilson, University of Bath, UK

2011-2013:

- Ian Bezodis, University of Wales Institute Cardiff, UK
- Elizabeth Bradshaw, Australian Catholic University, Australia
- Youlian Hong, Chengdu Sports University, China
- Chengtu Hsieh, California State University-Chico, USA
- Justin Keogh, Bond University, Australia
- Hashem Kilani, Sultan Qaboos University, Oman
- Mario Lamontagne, University of Ottawa, Canada
- Gongbing Shan, University of Lethbridge, Canada
- Gerta Struzenberger, University Salzburg, Austria

Memorial: Gerhard Hochmuth

In remembrance of Professor Gerhard Hochmuth

The biomechanics community was saddened to learn that Professor Gerhard Hochmuth died on July 14, 2011 at the age of 83.



Professor Hochmuth had a truly outstanding career in sports biomechanics. He was known as a great researcher, teacher, and mentor at the University of Leipzig. His 1967 book *Biomechanics of Sporting Movements* was a seminal work in the new field. The book was translated to many languages and made a worldwide contribution to the biomechanics of

sports.

Given his many achievements in sports biomechanics, Professor Hochmuth was the selected by ISBS as the first winner of the Geoffrey Dyson Award in 1987. The Dyson Award is the highest honor given by ISBS.

ISBS regrets the loss of one of the founding fathers of sports biomechanics.



30th ISBS Premiers Biomechanics Oscars

Organizers of the 30th ISBS conference in Melbourne are inviting the sports biomechanics community to use their skills with video to promote the mission of ISBS. The “**Biomechanics Oscars**” is a friendly competition to create the best short (300 second) video showing how sports biomechanics can “bridge the gap” between sports science and professional practice.

Here is your chance to be an award-winning star, producer, or director of a short video promoting ISBS and sports biomechanics! Create a compelling story of performance improvement or injury prevention using sports biomechanics, and you could be the one to take the stage and accept the first “Oscar” for sports biomechanics.

Submission of your 5 minute maximum video is due on or before April 20th, 2011. Contact info@isbs2012.com if you have any questions about the video production or submission.

