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# INTERNATIONAL SOCIETY OF BIOMECHANICS IN SPORT



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[www.isbs.org](http://www.isbs.org)



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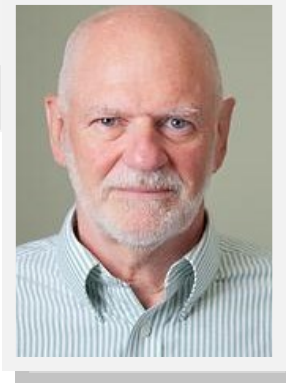


## Newsletter

Volume: 30, Issue 2 - October 2014

### Message from the President

Joseph Hamill



“ **SBS will sponsor a session at the ISB meeting in Glasgow in 2015** ”

It has been a few months since we last met at the 32<sup>nd</sup> International Conference on Biomechanics in Sports held in Johnson City, Tennessee. We have all had time to think of the new people that we met, the new research that we learned about and the new research relationships that we established. We have also had time to consider the excellent conference that was supervised by Kimi Sato and his team at East Tennessee State University. The conference was a success by any measure and was a model of what the ‘conference experience’ should be.

At the Board of Directors meeting in Johnson City, a resolution was passed to change to the Constitution that will also be reflected in changes to the By-Laws. This change relates to the election of the Vice-Presidents and to the term limits of members of the Board of Directors. I have formed a committee consisting of Gareth Irwin (President-Elect), Drew Harrison (Past President), Randall Jensen (Secretary), and myself, to develop wording of these changes. In the next few weeks, these changes will be sent to all members of ISBS for a vote to accept/reject the changes.



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## Editorial Board



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ISBS Vice President  
(Publications)

*Leeds Beckett University*



[Catherine Tucker](#)

*Leeds Beckett University*

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Jing Xian Li,  
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Hermann Schwameder,  
Wolfgang Potthast,  
Manfred Vieten,  
Floren Colloud,

A new proposal that was discussed and approved by the Board of Directors was to develop closer ties with the International Society of Biomechanics. To that end, ISBS will sponsor a session at the ISB meeting in Glasgow in 2015. The ISB meeting will be held two weeks after our annual meeting in France. The ISBS session will have one keynote speaker (20 minute talk) followed by four speakers who will submit abstracts (15 minute talks) that will be referred by ISBS. I am now asking for ISBS researchers who would be interested in submitting their work to this special session to [contact me](#) with their intent to submit an abstract.

In closing, I encourage all to attend the 33<sup>rd</sup> International Conference on Biomechanics in Poitiers, France. The conference will be held for the first time in France, a country which has a long history in the biomechanics of sports. Poitiers is a beautiful city that is a world-heritage city that holds a strong University tradition. The University is the second oldest in France (founded in 1431) and is still today one of cities with the highest percentage of college students. In addition to the outstanding research program, these are just a few facts that I hope will draw you to this conference. I hope to see many of you in France.

Take care and so long for now.

**Joseph Hamill, PhD**

**President, International Society of Biomechanics in Sports**

Dr. Kimi Sato  
Conference host, 2014  
ISBS Board of Director (2013-15)



The organizing committee was glad to see that delegates enjoyed our “southern hospitality”,

The 32<sup>nd</sup> conference of the ISBS was held at campus of the East Tennessee State University (ETSU), Johnson City, TN USA in July 12-16. It was a great pleasure to host such a prestigious conference at the home of the ETSU designated Olympic Training Site (OTS) and Center of Excellence for Sport Science and Coach Education (CESSCE). We hosted 250 delegates from 28 countries. These delegates presented their research at oral sessions (92 presentations), poster sessions (105 presentations), along with 8 keynotes and 6 applied sessions. At this conference, the ISBS welcomed 32 NEW ISBS members and 31 NEW ISBS Student members.

The conference opened by welcome messages from ETSU president, Dr. Brian Noland, Dean of the College of Education, Dr. Angela Lewis, Director of the OTS and CESCCE, Meg Stone, and ISBS President Prof. Dr. Joe Hamill. Dr. Drew Harrison (University of Limerick) was this year’s Geoffrey Dyson Lecturer. Dr. Harrison provided a discussion of a very interesting topic of *APPLICATIONS OF FUNCTIONAL DATA ANALYSIS IN SPORT BIOMECHANICS*. All of the keynote sessions in the morning and afternoon were well attended with a lot of questions from the delegates. We had overwhelming turnout on our applied session in “Weightlifting”, led by Dr. Mike Stone and Dr. Satoshi Mizuguchi.



Although Johnson City is relatively small compared to past ISBS conference sites, the organizing committee was glad to see that delegates enjoyed our “southern hospitality”, the scenery of our region including our social event tours and in particular enjoyed the excellent research presentations. Here is the link to our TV appearance during the conference; <http://www.wcyb.com/news/biomechanics-sports-conference-brings-in-people-from-28-different-countries/26937518>.

Special thanks to our conference sponsors and exhibitors. Particularly, AMTI and Kistler, who provided student travel awards to support ISBS student members. Another special thanks go to Dr. Gerda Strutzenberger who organize the Student Mentorship Program. It was gratifying to have 38 ISBS Student members to talk to their “new” mentors for their research and future career.

Once again, we enjoyed hosting this conference and interacting with the best sports biomechanists from all over the world. Our staff and students had a great and rewarding experience meeting you all. We look forward to seeing you again in Poitiers, France at the [2015 ISBS](#).

### ISBS Student Mini Research Grant 2014

**Dr. Jing Xian Li**  
**ISBS Vice President (Projects and Research)**  
**(2012-14)**



We launched ISBS Student Mini Research Grant (SMRG) through ISBS Newsletter in April this year. The news regarding grant application was spread through email by VP for publications. It was sent to all members following the launch of ISBS Newsletter, in which the main contents of the ISBS Newsletter were announced.

We received six applications. An evaluation committee of ISBS SMRG consisting of six ISBS members with good standing was formed for reviewing of the applications. The evaluation committee members reviewed each of all applications. Based on the review results, the committee has decided to award SMRG to John Warmenhoven, Erik Kowalski, and Cuicui Wang from Australia, Canada, and China respectively. The evaluation committee had summarized the comments to each of the applications from the reviewers and sent the comments to the applicant for their reference and research improvement. With SMRG support, we hope the awarded students conduct his/her research successfully. And we wish all applicants continuously improve their research and succeed their research goal.

## ISBS Awards 2014

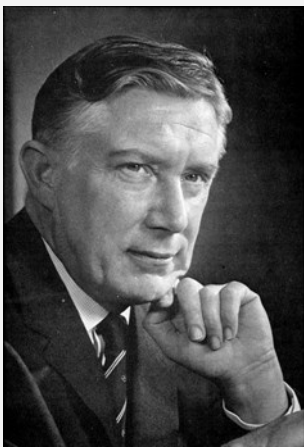
**Dr. Elizabeth Bradshaw**  
**ISBS Vice President (Awards)**



The Awards Committee announced the following awards for 2014:

### ***Geoffrey Dyson Award***

The Geoffrey Dyson Award is the most prestigious award of ISBS. It recognizes sport scientists who, throughout their professional careers, have bridged the gap between biomechanics research and practice in sport.



The award is named after one of the founding fathers of Sports Biomechanics, Geoffrey Dyson OBE. (1915-1981). Geoffrey Dyson had a long and strong academic and coaching career. He was the coach of the British Olympic Team in 1952, 1956, and 1960. In 1962, he first published his book on the Mechanics of Athletics. He was a speaker for the International Olympic Academy and conducted athletic courses in 14 countries. According to John Disley, one of Geoffrey Dyson's favourite pupils, "he devoted his life to making coaching a science and to exposing the charlatan whose only effective advice was Do it again, but harder".

This year's recipient was:

**Dr Drew Harrison**

**University of Limerick, Ireland.**



Drew delivered a presentation on *the application of functional data analysis in sports biomechanics* on the opening night of the ISBS2014 conference.

**Life Member**

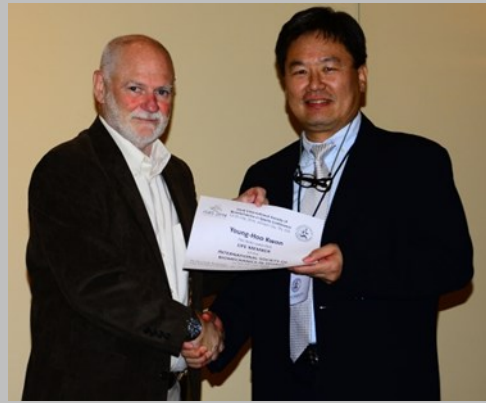
A special membership category that is reserved for members who have made outstanding contributions to ISBS. The work of the member should have enabled ISBS to further develop and thrive. This work is typically not academic (research-related) and is therefore not covered by other ISBS awards. A Life member has all of the privileges of membership but does not pay annual membership fees.

This year's recipients were:

**Professor Hermann Schwameder**  
University of Salzburg, Australia



**Professor Young-Hoo Kwon**  
Texas Women's University, USA

**Fellow of ISBS (FISBS)**

The Fellow of ISBS award recognises substantial scholarly and service contributions to ISBS and Sports Biomechanics.

This year's recipients were:

**Professor Wolfgang Potthast**  
German Sport University, Germany



**Dr Aki Salo**  
University of Bath, UK





### *Hans Gros Emerging Researcher*



The Hans Gros Emerging Researcher Award recognizes excellence in early career research. This prestigious award is given annually to an individual who has excelled in their early research career (2-5 years post PhD) and has embodied the ISBS philosophy of applied science and 'bridging the gap' between research and application in practice.

The award was named to commemorate Hans Gros for his contribution to ISBS. Han Gros was a founding member of ISBS and was President in 1998-1999. Hans established the first ISBS website and was awarded Life Membership in 2001 in San Francisco. He was a faculty member at the University of Stuttgart in Germany and taught biomechanics, skiing, and track and field. His research interests focused on sports equipment design for gymnastics, archery, and the biomechanics of track and field.

This year's recipient was:

**Dr Neil Bezodis**

**St Mary's University College, UK.**



Neil delivered a presentation on integrating research and practice with a view to enhancing sports performance: examples from sprint acceleration on the final day of the ISBS2014 conference.



## Proceedings

Read the papers for all our awardees on the ISBS open access [proceedings archive](#).

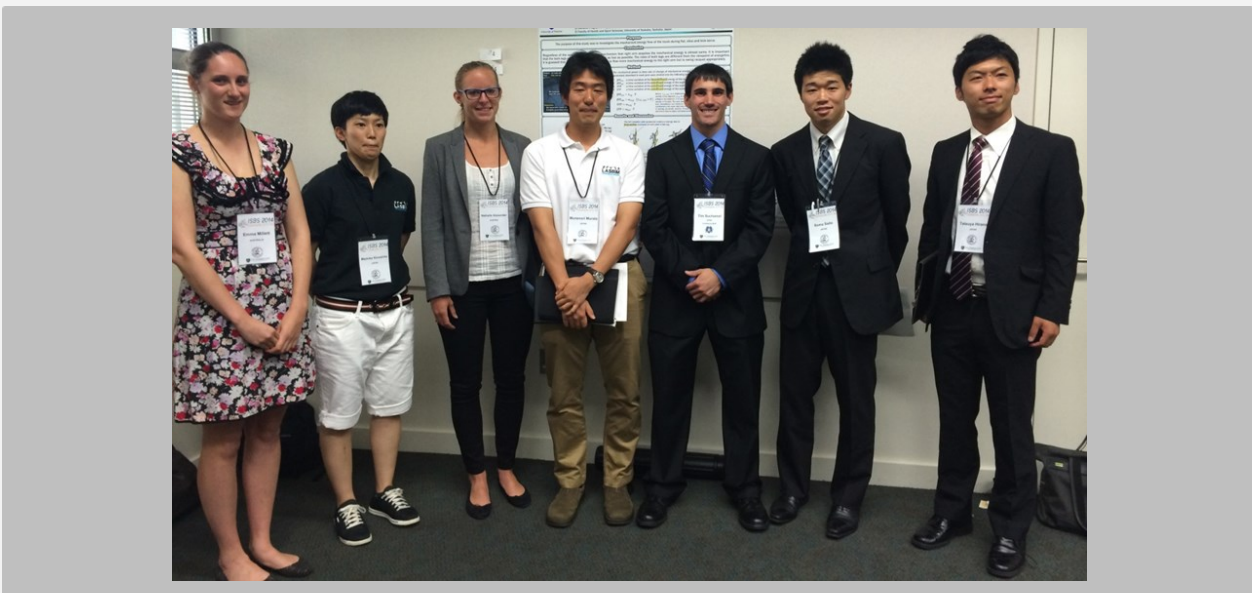
## ***New Investigator Award***

The purpose of the New Investigator Award (NIA) is to recognise new researchers in Sports Biomechanics and to encourage them to become productive members of ISBS by expanding the base of knowledge of Sports Biomechanics through study and dissemination of information. The NIA was first awarded in Prague, Czechoslovakia as part of the 8th Symposium of ISBS. Since its inception, it has been contested on an annual basis as part of the annual conference.

*New Investigator Finalists for the oral competition (left to right). Pedro Morouco (Portugal), Paul Felton (UK), Johannes Funken (Germany), Tomaz Cerne (Slovenia), Chris Richter (Ireland), Lucy Parrington (Australia), Chantal Simons (The Netherlands), and Tobias Wunsch (Austria).*



*New Investigator Finalists for the poster competition (left to right). Emma Millett (Australia), Madoka Kinoshita (Japan), Nathalie Alexander (Austria), Munenori Murata (Japan), Timothy Suchomel (USA), Soma Saito (Japan), and Tatsuya Hirano (Japan).*



This year's recipients for the oral competition (first to third place) were:



**Pedro Morouco**

University of Beira Interior, Portugal

*Are dry-land strength metrics and forces exerted in-water related with high swimming velocity in young athletes?*



**Tobias Wunsch**

University of Salzburg, Austria

*Biomechanical and metabolic effects of a leaf spring structured midsole in overground running*



**Chris Richter**

Dublin City University, Ireland

*Performance related factors in countermovement jumps: Identified using a continuous subgroup analysis approach*

This year's recipients for the poster competition (first to third place) were :

**Nathalie Alexander**

University of Salzburg, Austria

*Maximum isometric strength in patients with acute unilateral anterior cruciate ligament rupture*



**Munenori Murata**

University of Tsukuba, Japan

*Mechanical energy flow of the trunk in tennis serve*



**Madoka Kinoshita**

University of Tsukuba, Japan

*Biomechanical analysis of taekwondo roundhouse kick focused on phase before toe off*





## 2014 Award Summary

### Geoffrey Dyson Award

Drew Harrison,  
University of Limerick

### Life Member

Hermann Schwameder,  
University of Salzburg

Young-Hoo Kwon,  
Texas Women's University

### Fellow of ISBS

Wolfgang Potthast,  
German Sport University

Aki Salo,  
University of Bath

### Hans Gros Emerging Researcher

Neil Bezodis,  
St Mary's University College

### New Investigator

Pedro Morouco,  
University of Beira Interior

Nathalie Alexander,  
University of Salzburg

I would like to thank the Awards Committee for 2014.

### *ISBS Awards Committee 2014*

Associate Professor Jacqueline Alderson, Australia

Professor Bruce Elliott, Australia

Professor Joseph Hamill, USA

Dr Drew Harrison, Ireland

Dr Chengtu Hsieh, USA

Dr Gareth Irwin, UK

Dr Randy Jensen, USA

Professor Young-Hoo Kwon, USA

Professor Wolfgang Potthast, Germany

Professor Ross Sanders, Australia

Professor Hermann Schwameder



**Dr Elizabeth Bradshaw**  
**ISBS Vice President (Awards)**

## Call for ISBS Awards 2015

**Dr. Elizabeth Bradshaw**  
**ISBS Vice President (Awards)**



The time has come for you to consider applying for the following awards:

### ***Hans Gros Emerging Researcher Award***

### ***New Investigator Award***

Please read the criteria for selection below. Applications for the New Investigator Award are due on Friday 6th February, 2015 and applications for the Emerging Researcher Award are due on Saturday 31st January, 2015. Only applications submitted by these dates will be considered by the ISBS Awards Committee for 2015. Check the list of previous recipients at [www.isbs.org](http://www.isbs.org)

Included below are the criteria against which each nomination will be made.

## ***Hans Gros Emerging Researcher Award***

The Hans Gros Emerging Researcher Award recognizes excellence in early career research. This prestigious award is given annually to an individual who has excelled in their early career (2-5 years post PhD) and has embodied the ISBS philosophy of applied science and 'bridging the gap' between research and application in practice. The winner will be invited to present his/her research at the [ISBS2015 conference](#) in Poitiers, France.

### Award Criteria

The entrance criteria for the Hans Gros Emerging Research Award are as follows:

1. The applicant must be a current full member of ISBS for at least two consecutive years at the time of the ISBS2015 conference.
2. The applicant must be within two to five years of graduating with a PhD at the time of the ISBS2015 conference.

E.g. If the applicant graduated in 2012, then he/she can apply in the years 2014-2017.

*Applicants whom have had a significant career interruption (e.g. maternity or paternity leave) during their first six years after graduating with a PhD should provide evidential documentation as a part of their application that includes the dates when they were on leave. A maximum of one additional year of eligibility can be granted by the Awards Committee due to a significant career interruption.*

3. The applicant must have a record of successful research esteem and publications.

4. A letter of support from an established researcher in the field of Sports Biomechanics with a clear statement that he/she supports the application for the ISBS Hans Gros Emerging Researcher Award. The letter must accompany the [application form](#).
5. A 250-word abstract outlining the proposed presentation topic. The proposed presentation should address a topic suitable for the ISBS audience.
6. The applicant, if selected, must attend the closing banquet for [ISBS2015 conference](#).

### Review of Applications

Applications will be reviewed by the VP of Awards. Applications not adhering to the award criteria will not be judged. Applications adhering to the award criteria will be forwarded to the Awards Committee (AC). The applications will be judged based on the submitted application only and will be reviewed using the following criteria:

- scientific merit of the paper,
- suitability of the paper topic for the ISBS conference,
- paper topic is within the applicant's area of expertise, as evidenced by their research record,
- record of academic publications and contributions at conferences,
- evidence of developing and leading innovative research projects,
- evidence of impact of research,
- evidence of awards and grants to support research, and
- evidence of esteem indicators.

The decision of the AC is final in all cases and no correspondence will be entered into.

The successful applicant will be asked to submit a conference paper adhering to the ISBS conference paper format. Guidelines can be found at [www.isbs.org/awards](http://www.isbs.org/awards)

### Award Prize

The Hans Gros Emerging Researcher Award includes a certificate, monetary award of € 1000 and complimentary registration for the [ISBS2015 conference](#).

### How to Apply

The applicant must submit the [application form](#) (also available from [www.isbs.org/awards](http://www.isbs.org/awards) or [elizabeth.bradshaw@acu.edu.au](mailto:elizabeth.bradshaw@acu.edu.au)), 250-word abstract, and supporting documentation to the VP of Awards by Saturday 31<sup>st</sup> of January, 2015.

The purpose of the New Investigator Award (NIA) is to recognize new researchers in Sports Biomechanics and to encourage them to become productive members of ISBS by expanding the base of knowledge of Sports Biomechanics through study and dissemination of information. The NIA was first awarded in Prague, Czechoslovakia as part of the 8<sup>th</sup> Symposium of ISBS. Since its inception, it has been contested on an annual basis as part of the annual conference.

#### Award Criteria

The entrance criteria for the New Investigator Award are as follows:

1. The applicant must be a member of ISBS at the time of the [ISBS2015 conference](#),
2. The applicant must provide documentary evidence that at the time of the [ISBS2015 conference](#) they are:
  - a) currently enrolled in an undergraduate (Honours) or postgraduate program, or
  - b) have graduated with their terminal degree (Master's or Doctoral) within the last two years,
3. The applicant must submit a paper for that year's annual conference,
4. The applicant must be the lead author of the submitted paper,
5. The applicant can only enter for one type of award (oral or poster).
6. The applicant, if selected as a finalist in the oral or poster competition, must attend the closing banquet of the [ISBS2015 conference](#).

#### Review of Applications

The NIA papers will be subject to the normal peer-review process for the [ISBS2015 conference](#) to determine appropriateness for inclusion in the conference scientific program. The conference chair will forward all NIA papers (final versions i.e. after revision) to the VP of Awards. Applications will be reviewed by the VP of Awards. Applications not adhering to the award criteria will not be judged. Applications adhering to the award criteria will be forwarded to the Awards Committee (AC).

The AC will review the NIA papers and shortlist the finalists' pre conference for the oral and poster competition categories. The finalists will usually be restricted to a maximum of 8 presentations in each category; however the AC may, in justified cases, advance additional papers to the finals.

## ***New Investigator Award***

The oral competition will be completed in two stages. There will be a preliminary round of presentations, grouped into two sessions, where all finalists will present. From that round, the best three presentations will be selected for a final round of competition where the award winners are decided. The poster competition is held during one poster session.

A sub-committee of the AC and the VP of Awards will undertake the 'at conference' judging for the poster competition and the first round of the oral competition. During those sessions the 'at conference' judging panel will rank the presentations, select the best 3 presentations for the oral competition and decide the award winners for the poster competition. A guest judging panel which may include, for example, executive members of the board and the conference chair will judge the second round of the oral competition and decide the award winners.

The decision of the AC and the 'at conference' and guest judging panels is final in all cases and no correspondence will be entered into.

### Award Prize

The New Investigator Award includes a certificate and a monetary award of

Oral:                1<sup>st</sup> € 400; 2<sup>nd</sup> = € 300; 3<sup>rd</sup> € 200

Poster:            1<sup>st</sup> € 300; 2<sup>nd</sup> = € 200; 3<sup>rd</sup> € 100

### How to Apply

The applicant must indicate that they would like to be considered for the NIA when they submit their conference paper to ISBS2015 (<http://isbs2015.sciencesconf.org>). The applicant must also send their supporting documents (evidence of current enrolment or graduation, evidence of ISBS membership) to the [VP of Awards](#) by Friday 6th February, 2015.

**Dr Elizabeth Bradshaw**  
**Vice President (Awards)**



## Report of ISBS Student Mentoring Program

**Dr. Gerda Strutzenberger**  
**ISBS Vice President (Projects and Research)**



For the 3<sup>rd</sup> time the ISBS Student Mentor Program was held at the annual ISBS Conference, this time in Johnson City, Tennessee. Thirty seven students from 10 different countries were matched with 26 mentors from all over the world and had the opportunity to discuss research, career or other pressing issue in the two dedicated mentoring sessions. The mentoring itself was held in small groups (1 to 3 students), where each mentor met with his/her student group. The student-mentor pairs were pre-matched prior to the conference, this way our ISBS students had sufficient time to prepare for the meeting with “their” mentor.



**“P**erhaps the most beneficial element I have taken from the mentor sessions has been the ability to explain my research projects and to have my thoughts, hypotheses, methods etc. validated by those with a far greater knowledge than myself. “

*Mentor-pair Paul Taylor and Drew Harrison deep in discussion*

The success of this program lies of course with the students taking part, and their growing amount indicates the value of this program. One former student, Paul Taylor (Australian Catholic University), was with this program right from the beginning, and was keen to share his experience:

*“This year’s ISBS conference in Johnson City marked my 4<sup>th</sup> since attending in Portugal in 2011. As I have come to expect, the experience was great with all elements of the program being fantastic. However the highlight, as it has been for the past three conferences, was my involvement in the student mentoring program. If ever there was an element which underlines the way in which the society values and nurtures its student members, aiming to provide them with every opportunity and encouragement in their developing academic career, it is this program. The value of sitting down and discussing everything from research design in your project, through to future directions, methodological techniques and everything in between with a leader in our field cannot be understated. In my time I have had the pleasure of being mentored by Drs. Raphael Bahamonde, Roger Bartlett, Ezio Preatoni and Drew Harrison. All have been exceedingly generous with their time and knowledge...”*



### Student Mentor Programme Facebook Group



Click the icon above to join the Student Mentor Programme Facebook Group. Here you will find updates in future ISBS student activities as well as pictures and information on past events.

*... Perhaps the most beneficial element I have taken from the mentor sessions has been the ability to explain my research projects and to have my thoughts, hypotheses, methods etc. validated by those with a far greater knowledge than myself. And on the occasion where I may have been a little off, they have been more than willing to put me back on the right path, sharing know-how and encouragement. Alas, my recent involvement will be my last. My thesis is nearing completion and I have recently started a full time position, both of which I can emphatically state have been aided by my involvement in the student mentor program. I'd like to take the opportunity to thank the board of the ISBS for offering the program and for working so hard to ensure it is such a success and keeps improving. If you are a student and thinking of attending a conference in the future, I can only recommend you take part. From experience, you will benefit most from the program if you take the time to consider who you would like to be mentored by (make a short list) and once you know who you are paired with, ensure you do your research, understand their areas of work and identify how they can best help you. As I said, the mentors are very generous with their time but you will take the most from the sessions, if they are driven by you" (Paul Taylor, Australian Catholic University).*

As last year, I look back on two constructive and profitable sessions and thank all the students for talking this opportunity, as well as all the mentors for providing their time and designation to the participating students. All this would not have happened without the excellent organisation of the Conference Committee, which made it possible for all participants to exchange their thoughts within a friendly and comfortable atmosphere.

**Gerda Strutzenberger**  
**ISBS Vice President (Projects & Research)**

## SHORT COMMUNICATIONS

### Call for future hosting of ISBS conferences

**Prof. Hermann Schwameder**  
**ISBS Vice President (Conferences)**

The call for the hosting of future ISBS conferences will be sent out in March 2015 newsletter, as per the Policy Manual for Conferences.

### ISBS 2014 Proceedings

**Prof. Manfred Vieten**  
**ISBS Treasurer**

The proceedings of the 32<sup>nd</sup> conference on Biomechanics in Sports held in Johnson City, Tennessee from July 12 to 16 this year will be available online in the coming weeks (<https://ojs.ub.uni-konstanz.de/cpa/>). An announcement will be made available on the [ISBS website](#), [Twitter](#) and [Facebook page](#) when the 2014 proceedings are available. To the authors: Should you have question about the published content or detect a mistake, please let us know. Send your remarks to [isbs98@uni-konstanz.de](mailto:isbs98@uni-konstanz.de).

### ISBS Sponsors

**Prof. Wolfgang Potthast**  
**ISBS Vice President (Public Relations)**

The society would like to thank the corporate sponsors of ISBS: Sensix, Contemplas, Simi and Kistler. 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.



**Sports  
Biomechanics  
Journal**

Sports Biomechanics is the official scientific journal of the International Society of Biomechanics in Sports .

**Impact Factor:**

ISI Impact Factor 2013:  
0.867 (57/81 in Sports  
Science, 114/154 in  
Biomedical Engineering)

**Editor-in-Chief:**

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Daniel Fong

**Associate Editors:**

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[Journal website](#)

[Paper submission](#)

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**Dr. Floren Colloud**  
**Conference host, 2015**  
**ISBS Board of Director (2014-16)**



### **VENUE**

ISBS 2015 will be held at Université de Poitiers, one of the oldest universities in Europe, from 29<sup>th</sup> June to 3<sup>rd</sup> July. Poitiers is a Roman world-heritage city located in the middle west of France, close to the Atlantic coast. More than 600 monuments crisscrossing this area represent a testimony of a form of architecture born in the 10th century on the road Saint Jacques de Compostelle.

It would be the first ISBS conference in France while biomechanics started 130 years ago in Paris at the Institut de Physiologie. Prof. Étienne-Jules Marey and George Demeny have laid the foundation of cinematographic and dynamographic analysis and designed specific experimental devices (chronophotograph, photographic gun, dynamograph, etc.) for motion analysis. Nowadays, the basic principles of our materials remain the same as those recommended by Marey and collaborators.

The Université de Poitiers is an ideal venue for the ISBS conference as it is France's foremost university location for sport and sports science education. The Biomechanics Research Group at the University of Poitiers can be considered the leading centre for sports biomechanics teaching and research in France.

ISBS 2015 will take place between 3 main congresses held in Europe: ECSS in Malmö (24-27 June), ESB in Prague (5-7 July) and ISB in Glasgow (12-16 July). Due to the central location of Poitiers, it will be very easy to combine ISBS 2015 with one or more of these congresses.

We look forward to welcoming delegates to the Université de Poitiers campus which is situated close to the historic city of Poitiers

### **STUDENT INCENTIVES**

Student participation will be greatly encouraged by an ambitious incentive program including:

- Low congress fees: €250 for ISBS student member if register at early bird rate before 30<sup>th</sup> March.
- High standard accommodation at low rate (€81 for seven nights for students, €104 for non-student) on the campus for the duration of the conference and more if required
- Students travel grants provided by ISBS and ISBS 2015 Conference Organising Committee. Applications must be sent before 10<sup>th</sup> May.
- New Investigator Award (Oral & Poster). Application must be send before 6<sup>th</sup> February
- Student mentoring program that includes a lunch-session and a breakfast-session. The participation is free of charge. Applications must be sent before 30<sup>th</sup> March.
- Students night.

### **TOPICS**

General topics of the conference are to cover sports biomechanics in competitive and recreational levels. Research focusing on technological innovation or the use of new devices applied to sports and physical activity that benefit performance or health are strongly encouraged to submit a paper.



## ISBS Conference 2015

### WEBSITE:

<http://isbs2015.sciencesconf.org/>

### TWITTER:



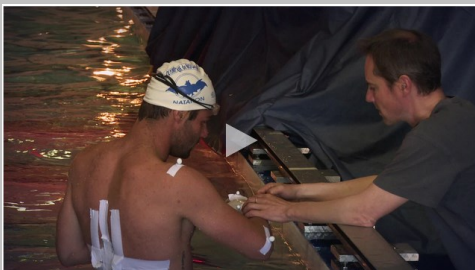
[@ISBS\\_2015](#)

[#isbs2015](#)

### FACEBOOK:



### PROMOTIONAL VIDEO:



### SCIENTIFIC PROGRAM

The scientific program will feature the prestigious **Geoffrey Dyson Award and the Hans Gros Emerging Researcher Award**, two major highlights of the conference. Richard Smith (Australia) will deliver the Geoffrey Dyson keynote lecture on the opening night, the recipient of the Hans Gros Emerging Researcher will be our last keynote (application open until 30<sup>th</sup> January).

The program will also include **keynote lectures** by Patria Hume (New Zealand), Katja Mombaur (Germany), Gerda Strutzenberger (Austria), Jacques Duchateau (Belgium), Tung-Wu Lu (Taiwan), Franck Multon (France), Guillaume Rao (France) and Veit Senner (Germany) as well as thematic oral and poster sessions.

The poster session will be, for the very first time, comprised of **poster with an abbreviated oral presentation** to summarise the paper. An extended question and answer session will allow for audience participation.

In recognition of the ISBS mission to bridge the gap between practitioners and scientists, we will intend to provide a novel and interesting programme of **applied sessions** which will attract scientists, coaches and practitioners alike. Nine applied sessions that will focus on a specific sport or the use of new technologies will include cycling, education, muscle elastography, monitoring of the physical activity, rowing, sprint, sport impacts, swimming, virtual reality. Each one will include a demonstration. Seats will be limited number so please book your seat with your registration.

In addition to the regular program, we are pleased to propose four **pre-conference workshops**, all will include demonstrations. They will focus on BTK, an open-source software more than useful to biomechanics computations and analysis, cricket, force measurement and testing sports material.

### SOCIAL PROGRAMME

The social programme will feature the traditional opening ceremony and banquet housed by City Hall and the impressive "Salle des pas perdus – Palais des ducs d'Aquitaine". It will also include Wine & Cheese Night, Students Night and tour (to choose between 3 destinations: La Rochelle, Cognac and Loire Castles). In addition, optional tours and activities will be proposed in and around Poitiers for accompanying persons and kids.

## Preview of ISBS 2015

### TRAVEL

Most of you will experience the Paris-Charles de Gaulle airport to come to Poitiers. Charles de Gaulle airport is only two hours and half away from Poitiers by fast train (TGV) thanks a rail station located in the heart of the airport. TGV timetables will be placed directly on ISBS 2015 website on April. Poitiers rail station, located in the city centre, also offers connections to the main cities of France and of west Europe. There will be a hosted desk in the hall of the rail station on the day prior to the conference to meet all delegates as they arrive.

Poitiers domestic airport offers direct connections to London Standed/Shannon/Edinburg/Lyon airports. Public transports will drive you in the city centre in 10 minutes.

### ACCOMMODATION

High standard accommodation at low rate will be proposed on the campus. There are also a great variety of hotels and appartments located close to the University campus and in the city centre for which we have negotiated prices. A list will be placed on the website.

### SPONSORS

ISBS 2015 offers companies to gain exposure by being part of the platinum, gold, silver, bronze, or exhibitor level. The exhibition area will be located in the foyer of the lecture theatres in a space dedicated to research poster presentation and where coffee-breaks will be held.

Thank you to the companies illustrated on the side banner who have already supported ISBS 2015: Sensix (platinum sponsor), Biometrics France, Kistler & Matsport.

### REGISTRATION

We are working hard to offer you the lowest possible registration fee (€390 for ISBS member if register at early bird rate before 30<sup>th</sup> March). To minimize food waste and save money, we will ask you to check your attendance at all meals and social events included in your registration fee. Your tickets will be issued based on this information. The money saved will be invested in student travel grants.

### DEADLINES

[6<sup>th</sup> February 2015](#): submission

[30<sup>th</sup> March 2015](#): early registration

[7<sup>th</sup> May 2015](#): regular registration

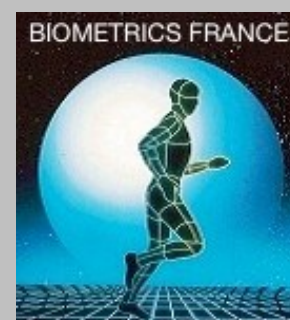


We look forward to meeting and greeting you to Poitiers for a rich experience of tradition, culture, gastronomy and cutting-edge science.

**Dr. Floren Colloud**  
**ISBS Board of Directors (2014-2016)**

## ISBS 2015

### Sponsors



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## 33<sup>rd</sup> International Conference on Biomechanics in Sports



Poitiers - France  
29 June - 3 July 2015





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[ISBS 2015 WEBSITE](#)