

June 2017



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List of new members, June 2017

By Ed Chadwick | June 2017

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ISB Grants Awarded

By Ed Chadwick | June 2017

We are pleased to report that between December 2016 and April 2017, 28 Student Grants were funded by the ISB. The majority of these (21) are to help support the costs of travelling to ISB2017 in Brisbane. The remainder were for the Matching Dissertation Grant, the International Travel Grant and the Technical Group Travel Grant. The successful applicants are from the USA, Europe, Canada, Brazil and Australia and the total amount awarded by ISB was more than 34,000 USD. It's great to see so many high quality applications from around the world.

6th Symposium on Motor Control in Biomechanics at ISB 2017

By Ed Chadwick | June 2017

We are pleased to announce the list of invited speakers at the upcoming symposium of the [ISB Working Group in Motor Control](#).

When: 23-24 July 2017, in conjunction with the [XXVI Congress of the International Society of Biomechanics \(ISB\)](#)

Where: Brisbane Convention & Exhibition Centre, Cnr Merivale & Glenelg Streets, South Bank, Brisbane, Queensland Australia

Invited Speakers: Each invited talk will be followed by oral presentations (see [flyer](#) here)

- Penelope McNulty (Neuroscience Research Australia and University of New South Wales, Australia)
- Glen Lichtwark (University of Queensland, Australia)
- Martina Mancini (Oregon Health and Science University, USA)
- John H. Challis (Pennsylvania State University, USA)
- Fuminari Kaneko (Sapporo Medical University, Japan)

The symposium will close with a Special Session: **Lifelong Contributions of Carlo De Luca to the Study of Human Movement: Motor Control Innovations**

Opening:

- William Z. Rymer (USA)

Speakers:

- Serge Roy (Delsys Inc. & Boston University, USA)
- Roberto Merletti (Politecnico di Torino, Italy)

Who Should Attend: Researchers and students with an interest in Biomechanics and Motor Control should attend. Participants will have the opportunity to discover the latest developments in these fields and discuss with experienced investigators.

For additional details, see <http://www.mcg.isbweb.org/> or contact us at info@mcg.isbweb.org

We look forward to seeing you in Brisbane!

Sincerely,

ISB Working Group in Motor Control

XVI International Symposium on Computer Simulation in Biomechanics

By Ed Chadwick | June 2017

Plans are being finalised as we speak for the 16th meeting of the ISB Technical group on computer simulation, July 20th - 22nd 2017 at Southern Cross University, Gold Coast Campus (<http://isbweb.org/~tgcs/iscsb-2017/index.html>). 28 abstracts have been accepted with seven candidates for the Andrzej Komor Young Investigators Award, plus two keynote lectures; Associate Professor Thor Besier (University of Auckland, New Zealand) and Professor Federico Casolo (Milan, Italy). In addition an OpenSim computer workshop will be held on the 20th. As usual there will be the usual mix of presentations and computer demonstrations along with the prestigious Andrzej Komor Young Investigators Award. If you haven't registered then it's not too late (<http://isbweb.org/~tgcs/iscsb-2017/register.htm>) and we looking forward to see you there.



ISB tutorials attract over 170 attendees in both tracks

By Ed Chadwick | June 2017

This year's tutorials at ISB provide updates on MRI and ultrasound imaging techniques, on exoskeletons

and multiscale modelling for biomechanics in various research topics. **Prof. Lynne Bilston** discusses MRI methods for musculoskeletal, respiratory and neurological disorders but also shares her career path as a female biomechanist. **Prof. François Hug** lectures about conventional and novel ultrasound techniques and gives practical demonstrations with **Dr. Dominic Farris** and **Dr. Bart Bolsterlee**. **Prof. Peter Hunter** will introduce multiscale modeling and demonstrate the use of the Physiome Project framework for interpreting physiological measurements of the musculo-skeletal system. **A/Prof Greg Sawicki** presents a roadmap for the design of lower-limb robotic exoskeletons with live demonstrations of unpowered elastic ankle exoskeleton.

Currently there are over 170 registered attendees in both tracks, with tutorials at near capacity. There are some places left, however please register now to ensure that you can secure your place.

Students' Corner

By Ed Chadwick | June 2017

G'day all,

Incoming Student Representative



I'd like to begin by introducing your new Student Representative for the 2017-19 term, Melissa Boswell. Melissa is a Bioengineering PhD student at Stanford University. She will take over official duties at the end of the Brisbane Congress. Congratulations Melissa!

ISB2017

ISB2017 is right around the corner! I can't wait to meet those of you who are making the trip Down Under. As you are all probably aware, we have three exciting student activities lined up.

1. Student Night Out*

This will be a great opportunity to meet students from all across the globe, learn about the exciting work they do, and of course - to make some new friends!

Dandy's is right across the street from the Brisbane Convention and Exhibition Centre and is a part of the Fox Hotel (the official watering hole of ISB2017). All the important details are below.



Date: Monday June 24, 2017

Time: 7:30pm

Location: Dandy's Rooftop Bar (www.thefox.com.au/dandys-rooftop)

Address: 71-73 Melbourne Street, South Brisbane

Dress: Smart Casual

Tickets: Provided with your registration package (required for entry).

ID Requirements: 18+ years of age, a form of photo identification will be required to enter the venue (note international travellers require a passport, domestic citizens can use a drivers license or government issued photo ID card)

2. **Student Roundtable Lunches***

Chat with an expert in your field over lunch! Due to popular demand, we will be hosting two student mentor round table lunches. If you originally registered for the event, you would have recently received an RSVP request to attend one of the following sessions:

Session One

Date: Tuesday 25 July 2017

Time: 1:00-2:00pm

Location: Room M1

Tickets: Provided with your registration package (required for entry)

Catering: Lunch service available outside Room M1 for all attendees

Session Two

Date: Wednesday 26 July 2017

Time: 12:00-1:00pm

Location: Room M1

Tickets: Provided with your registration package (required for entry)

Catering: Lunch service available outside M1 for all attendees

3. Mentor-Match Program*

Over 190 students attending ISB2017 have been matched with a mentor who they will meet with during the Congress. A huge thank you to all our mentors who volunteered to be a part of this exciting event. Mentees - don't forget to come armed with some career or field-specific questions for your mentor to make the most of the time you have together!

*Please note, all events were opt-in fields on the registration form, while the night out and roundtable lunches required further RSVPs via an email link sent to original attendees.

For all attending, I hope you enjoy the activities. If you have any questions about the events, please feel free to get in touch.

ISB Fellows Recommended Reads

Earlier this year, our ISB Fellows were asked if they would like to contribute some recommended reading relevant to their various fields of research. The responses have been compiled and uploaded to the ISB website. Personally, I feel like I've already gained a lot from following the links on the list, and I hope you will too! This resource is exclusively for you, our members, and can be accessed at the following link (once logged in):

<https://isbweb.org/students/recommend-read>

A huge thank you to all the ISB Fellows who kindly contributed content for this project!

Advice to Students

The final video in our eight-part series, 'Advice to Students', is available online now. In this instalment, we hear from Dr. Veronique Feipel from the Université libre de Bruxelles who speaks to the importance of collaboration, with specific reference to clinical applications. You can view Dr. Feipel's contribution [here](#). You can also access the entire playlist [here](#).

Once again, thank you very much to our eight contributors!

Goodbye!

This is my final ISBNow. While I will continue as Student Rep until the end of the Brisbane Congress, I would just like to take this opportunity to thank you all for making this such a fun and fulfilling

experience! I hope to meet many of you Down Under!

As always, if you have any questions, feedback or suggestions, please feel free to get in touch.

Kind regards,

Kirsty McDonald

isb.studentrepresentative@gmail.com

ISB Election Results 2017

By Ed Chadwick | June 2017

Every two years ISB members elect a President-Elect, and a new Executive Council. The Executive Council members are elected for a two-year term, with a maximum of three terms, and represent countries from throughout the world and various scientific areas within biomechanics. Our elections were held in April, with 55% of our membership voting.

The incoming President-Elect is,

Toni Arndt (Sweden, Toni.Arndt@gih.se)

The Council members for 2017-2019 are,

- Alberto Leardini (Italy, leardini@ior.it)
- Catherine Disselhorst-Klug (Germany, disselhorst-klug@hia.rwth-achen.de)
- Daniel Benoit (Canada, dbenoit@uottawa.ca)
- Dieter Rosenbaum (Germany, diro@uni-muenster.de)
- Elizabeth Clarke (Australia, elizabeth.clarke@sydney.edu.au)
- Felipe P Carpes (Brazil, carpes@unipampa.edu.br)
- Glen Lichtwark (Australia, g.lichtwark@uq.edu.au)
- Rajani Mullerpatan (India, rajani.kanade@googlemail.com)
- Taija Finni (Finland, taija.finni@jyu.fi)
- Thor Besier (New Zealand, t.besier@auckland.ac.nz)

The new members of the Executive Council are Dieter, Elizabeth, and Rajani; the remainder were re-elected to the ISB Executive Council.

I would like to thank all people who were prepared to stand for election; the ISB relies on the willingness of its membership to step-up and work on behalf of the society. Finally I would like to acknowledge, for all of their hard work, the retiring Council members: Ed Chadwick, Bart Koopman, António Veloso, and Rob Herbert.

John H. Challis

Past-President

President's Blog, June 2017

By Ed Chadwick | June 2017

As I'm writing this blog post, it's just over two weeks before the opening ceremony of ISB2017. Preparations for the congress are well underway, with close to 1200 delegates registered for the conference, tutorials and workshops. While it will be winter in Brisbane, I have consulted with the long-range forecasters, who are assuring me that the days will be mostly sunny, with daytime temperatures over 20°C. July is one of the best months to visit Queensland so I hope you take full advantage of the opportunity to visit other areas of Queensland either before or after the congress.

I am thrilled to see so many students and early career academics registered for the congress and that many students have been in contact with our ISB student officer, Kirsty McDonald, to participate in some of the many activities that she has organised. Our ISB technical and working groups have also been working hard to prepare for their satellite meetings and themed sessions within the main program. I'm sure you've all been receiving regular updates about ISB2017 and for those that aren't registered, there's still time!

On another note, I would like to thank the ISB executive council for their continued support since we formed during the Glasgow congress. Two years have passed quickly and each of the councillors has worked hard in their respective portfolios. While we have had to work within a somewhat more restricted budget, we still managed to support a large range of activities, particularly around student support for travel, dissertation grants and the like. I am confident that the incoming president will be able to continue and more than likely expand such support into the future. For those council members finishing their term after Brisbane, I genuinely thank them for their service to the society. Many of the executive will be continuing with a second or third term in office and we will be welcoming several new members, who will undoubtedly bring enthusiasm to the council and provide continuity into the future. Please join me at the Annual General Meeting (AGM) during ISB2017 where we will be officially welcoming the new president elect and council members, as well as thanking our outgoing members and past-president, John Challis, and where I will be handing over the President's gavel to our incoming president, Joe Hamill. The AGM is also a great opportunity to learn more about the workings and initiatives of the society

Until then, safe travels for those coming to Brisbane and best wishes to others.

Andrew