

Minutes of the European Society of Biomechanics General Assembly
10th July 2018 – (13.00-14.00)
Wicklow Hall 2A – Convention Centre Dublin
Dublin (Ireland)

Meeting Chairman: Stephen Ferguson, President

Meeting Secretary: M^aAngeles Pérez Ansón, Secretary-General

1. Welcome of the Secretary-General

The Secretary-General, M^aAngeles Pérez, welcomed all participants attending the Assembly. One hundred fifty-four members attended the General Assembly. The GA agenda was presented.

a. Approval of the previous GA minutes

The Secretary asked for approval of the minutes of the previous General Assembly, held in Seville, Spain, on 3rd July 2017. The minutes were approved.

b. Matters arising

The proposed agenda was approved, without any request for additional matters to be discussed.

2. Council reports

2.1 Report from the President

The President, Stephen Ferguson (SF), listed the main items of his Presidency:

- Over 1300 members from diverse backgrounds
- Biomechanics is evolving, and every year we have new research related areas
- Financial health of society offers unique opportunities
- Scientific dissemination is also evolving. There is a need of exploring new venues for dissemination.

New Honorary Member

- The President proposed to appoint Prof. Patrick J. Prendergast as Honorary Member. The President presented the contribution of Prof. Prendergast to the biomechanics field and the ESB.
- The President asked for a formal vote of the General Assembly. The present members voted all in favor. Prof. Patrick J. Prendergast is elected as Honorary Member.
- Prof. Patrick Prendergast said few words and thanked all the ESB community and the council for this recognition.

2.2. Report from the Secretary-General

- M^aAngeles Pérez Ansón (MAPA) reported.
- The Secretary-General informed that a substantial number of applications were received in the last year and proposed to ratify 326 new members since last GA (134 active, 191 students and 1 corporate member) and noted that all those members had been screened and approved by the council.



The list of new members was presented in a previous email and the Secretary-General asked for a formal vote. The present members voted unanimously in favor.

- The Secretary-General presented the evolution of the membership in time. The Society has 1345 members at this moment. The geographical distribution of our membership was presented: Finland, Germany, Ireland, Belgium, USA and Poland have increased their membership in the last year.

2.3 Report from the Treasurer

Luca Cristofolini (LC) reported.

The total assets of the Society on 31st December 2017 were close to 170,000 Euro. Incomes came mostly from the membership fees and journal subscriptions. Expenses were mostly related to the website maintenance, the awards and EAMBES membership. Incomes in 2017 has increased because both Lyon and Seville flat rates were transferred in 2017. The number of members in good standing had increased (932) with respect to previous year (801). This year, in Dublin, the society will receive the registration fee for ESB members in good standing registered to WCB (35€ for active and 20€ for student members).

Finally, LC presented a negative balance estimation for next year. The financial report for 2017 was submitted to the two auditors Monique Donkerwolcke and Paulo Fernandes (new auditor). Both auditors reported that the financial report of 2017 was correct and in a good state.

The treasurer asked for approval of the report. It was approved.

2.4 Report on Awards

Hanna Isaksson (HI), Vice-President, reported on the Awards procedure and presented the recipients of the awards for this Congress.

- Perren Award: Dr Stefaan Verbruggen. “Altered biomechanical stimulation of the developing hip joint in presence of hip dysplasia risk factors”
- Best Thesis Award: Miguel Ángel Ariza Gracia, PhD entitled: “Methods for characterizing patient-specific corneal biomechanics”
Runners up, best thesis award: Niklas König Ignasiak, PhD entitled: “Understanding variation in human movement-the good and the bad in motor variability”
- Student award finalists:
Graeme Paul: “Real-time FEA allows homogenization of strain profiles in individual mice for improved fracture healing after cyclic loading”
Andrea Mainardi: “Cartilage on chip: hyper-physiological compression in a microscale platform triggers osteoarthritic traits in a cartilage model”
Arsalan Marghoub: “Modelling bone formation at the cranial sutures in normal and craniosynostotic mice”
Duncan Betts: “A three-dimensional multiscale model of fracture healing in mice: Sensitivity of callus microstructure to osteoblast polarization and initial MSC density” (Student award winner)
- Clinical Biomechanics award finalists
Sónia Alves: “Laying the foundation for healthy gait asymmetry ranges outside the laboratory in everyday life activities”
Hans Kainz: “Selective dorsal rhizotomy normalizes muscle forces during walking in children with spastic cerebral palsy”
Hai-Chao Han:” The effects of trabecular cutting on the diastolic and systolic function in ex vivo New Zealand rabbits”



Philipp Damm: “Gluteal muscle damage leads to higher in vivo hip joint loads 3 months after total hip arthroplasty” (Clinical Biomechanics award winner)

- 27 Travel Awards:

Alex Ireland, Aurélie Levillain, Chloe Audebert, Yin Chang, Surabhi Sonam, Johanna Melke, Alice Spenlehauer, Dominica Khoo, Kaj Emanuel, Giovanni Rossini, Daniela Warnecke, Pim Oomen, Florian Schall, Chrysovalantis Voutouri, Cristian Parisi, Selda Sherifova, Mark Heyland, Gabriele Nasello, Lorenzo Grassi, Steffi Van Hees, Amelie Sas, Sophie Le Cann, Gil Serrancolí, Simona Seminati, Matteo Selmi, Benjamin Delpuech, Filippo Piatti.

- 20 Waived Registration fees (financed by WCB):

Graeme Paul, Duncan Betts, Andrea Mainardi, Arsalan Marghoub, Revel Martin, Amir Esrafilian, Paola Tasso, Thomas Notermans, Pieter Van den Berghe, Giulia Luraghi, Shuo Wang, Alexander Groetsch, Cristina Cavinato, Janet Deane, Enrico De Pieri, Marta Palomar, Alexander MacIntosh, Sónia Alves, Begun Zeybek, Christian Liebsch, Sophie Rapagna

HI thanked the members of her award committees for their hard work, and the ESB community for her time on the council.

2.5 Reports from the Committees

2.5.1 Meeting Web Portal

The Chair of Meeting Web Portal Committee, Markus Heller (MH), reported that the goal of this Committee is to develop the ESB website for the management of the abstract submission and reviewing processes for the annual congresses. He explained that the previous years (Lyon and Seville congresses) we were working with OpenSource system (OCS). But, there were two main difficulties (upload of revised abstracts up until deadline was not possible and limited back-end functionality for local organizing team). Therefore, we are moving to a new system for ESB2019. It would be a wordpress based conference website, a commercial system for abstract submission and review, and conference registration facilities (conftool). We believe that with this new conference management tool, the end-user experience will be improved, but also the conference management by the local organizer. And it could be very easily integrated in the ESB website.

2.5.2 Membership Committee

The Chair of Membership Committee, Sara Checa (LC) reported on the activities carried out in the last year.

The payment of the membership fees has been simplified. The goal of increasing the number of members by facilitating the payment of the membership fees (e.g. by integrating them within the meeting fees) is continuing to be very successful. The members were reminded that the way this works is that when you attend a congress in year N as a member in good standing your fee is paid for the year N+1. Members that miss the congress can instead pay the fee on-line.

We have now 8 corporate members in good standing. Synopsys has just joined the Society.

2.5.3 External Affairs

The Chair of the External Affairs Committee, David Mitton (DM), informed about the activities of the national chapters and the affiliated societies.

The Italian Chapter had carried out many activities: their last meeting took place in Milan (25-27 June 2018) and Michele Marino (Leibniz Universität Hannover) is their new president.

The Spanish Chapter has also a new president: Joaquín Ojeda (University of Seville). A cooperation agreement with the Spanish Association of Mechanical Engineering will be signed next September 2018. And the next Chapter meeting will be held in Castellón in November 2018.



The Austrian Chapter has also a new president: Werner Schmözl (Medical University Innsbruck). A scientific symposium is planned in Salzburg in 2018.

DM informed about the relation and activities with affiliated societies (German Society of Biomechanics, Société de Biomécanique, Polish Society of Biomechanics, International Society of Biomechanics in Sports and Danish Society of Biomechanics). He also informed about the creation of the Swedish Society of Biomechanics.

2.5.4 Student Committee

The Chair of the Student Committee, Jérôme Noailly (JN) reported about the activities organized.

The ESB Facebook group has more than 275 members between student and full members. The LinkedIn group has 199 members. Job advertisements are available on these sites as well as directly on our webpages ESBiomech.org.

And in Twitter, @ESBiomech has 251 followers.

The student committee manages the ESB mobility award to promote exchange and collaboration between ESB researchers. This year, there were 9 candidates by May 31st + one candidate beyond deadline (application rejected). Two were non-eligible applications because student or host supervisor were not ESB members. So, finally, there were two winners: Johanna Melke (Eindhoven University of Technology → NUI Galway), Laura Baumgartner (Universitat Pompeu Fabra → ETH Zürich).

Our student committee is now working and formed by Laura Baumgartner, Miguel Angel Ariza Gracia and Edoardo Borgiani. We are looking for new motivated students to join the Committee. Their role will be to be involved in the call and/or review of student-related awards, proposed speakers for webinar keynote series and chair the sessions, co-chair the best PhD Thesis and Best Student Award, involved in student event organization at ESB congresses.

2.5.5 Publication Committee

The Chair of Publication Committee, Mark Thompson (MT), reported on the activities performed in the last year.

The ESB monthly mailing is regularly sent with the latest news from the society including upcoming deadlines (awards, congress registration, endorsed meetings, etc.), updated information on the web page through the calendar, posts and news sections. ESB members were invited to suggest new entries.

MT informed about the new GDPR, privacy policy online. ESB webpage has been updated accordingly with this rules (browsing info is not shared with 3rd parties, anonymized IP collected for website-statistics and to hinder attacks, and session cookie for login which is destroyed on exit). Membership data held according to the rules indicated by the GPDR.

2.5.6 Meetings Committee

The Chair of Meeting Committee, Harry van Lenthe (HvL), reported that the ESB has endorsed 11 meetings since July 2017: HRV2017 (Shrivenham, United Kingdom), ICCB2017 (Compiègne, France), ECCOMAS Multiscale Problems in Biomechanics and Mechanobiology (Vienna, Austria), 3D Printing & Bio-printing in Healthcare (Dusseldorf, Germany), icSPORTS 2017 (Madeira, Portugal), Mechanics of development (Buckinghamshire, United Kingdom), Biomechanics in Athlete Development summit (Vienna, Austria), CMBBE2018 (Lisbon, Portugal), 5th SIMBIO-M (Stratford-Upon-Avon, United Kingdom), Multiscale hard and soft tissue modeling workshop (Sheffield, United Kingdom) and 3rd VPH Summer School (Barcelona, Spain). And 3 more will be endorsed in the following months: VPH2018 (Zaragoza, Spain), Biomechanics 2018 (Zielona Góra, Poland) and 3D Printing and Biomechanics (Pavia, Italy).

The 25th ESB Congress 2019 will be held in Vienna. Dieter Pahr, Phillip Turner and Christian Hellmich presented the congress.

The 26th ESB Congress 2020 will be held in Milano. Francesco Migliavaca briefly presented the congress.



Finally, we would like to announce that the 27th ESB Congress 2021 will be held in Maastricht (Netherlands).

The new call for bids (2022) will be open in December 2018. Deadline will be 31st March 2019.

3. Election of the new members of council electronic voting

The results were analyzed and presented by the Secretary General. The Secretary General informed the delegates of the total number of votes (220), with the following five candidates receiving the most votes:

- Sara Checa
- Enrico Dall'Ara
- Markus Heller
- Harry van Lenthe
- Dieter H. Pahr

These results should be ratified by the GA, so the Secretary General asked for their approval. The GA unanimously approved the results and the (re-)election of the five candidates.

4. Matters arising

None

5. Closure

The President Stephen Ferguson (SF) thanked all members for attending and contributing to the Assembly. Additionally, as there is no ESB social event, SF made the announcement of the new ESB president, María Angeles Pérez Ansón (MAPA).

MAPA thanked Stephen Ferguson and Hanna Isaksson for their strong commitment with the ESB during the last few years. MAPA also said some words in memoriam of Christopher R. Jacobs.

MAPA briefly presented the new ideas that will be carried out within the following months. We will push the creation of the Scientific Communication Committee and a YouTube channel where scientific content will be promoted (disseminating keynote webinars, projects of our members or our members labs, among other ideas). Marco Viceconti pointed out that VPH is doing webinars, we can share efforts.

As no other matters arose, the President closed the meeting.

Signed

President

Secretary-General

DATE: Tuesday, 10th July, 2018