



CSB/SCB NEWSLETTER

July 2008

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PRESIDENT'S MESSAGE

A major activity of the Canadian Society for Biomechanics (CSB) is the organization and running of its biennial national congress on biomechanics. This provides a unique opportunity for participants to gain an understanding of the current status of the field and make valuable personal and professional contacts. This year both the executive and the Canadian Co-Chair (Dr. David Andrews, University of Windsor) have been hard at work preparing a great joint conference for the North American Congress on Biomechanics (NACOB) 2008. The meeting will be held in Ann Arbor, Michigan, USA this August from the 5th to the 9th. NACOB is a combined meeting with the goal of being held every six years, however the last time the American Society of Biomechanics (ASB) and CSB held a NACOB meeting was a decade ago in 1998 when I was still a PhD student. This is an exciting event for students and faculty and with a very large number of submitted papers we are expecting over 700 registrants at the meeting.

There have been several exciting changes that have occurred over the past two years in my term as president. Linked with this year's conference the executive has made several changes that primarily benefit our student members. Student travel awards were reinitiated for the NACOB meeting with \$6000 being distributed to 30 students to offset travel expenses. Northern Digital Inc of Waterloo Ontario became a sponsor of CSB in conjunction with the 2006 meeting in Waterloo. At that time they signed an agreement to fund the young investigator awards for a total of 5 conferences with part of the contract including the renaming of the awards to the "NDI New Investigator Awards". This reduced the financial burden on CSB to fund these awards and has let the society expand our traditional two categories for Masters and Doctoral students to a third Post-Doctorate category.

Following the CSB meeting in 2006 our registration numbers had reached an all time high with a total of 205 members. The vast majority of our membership continues to be student based (n=123) and initial estimates looks like we will at least maintain this level of membership if not exceed it for the next 2-year cycle. When placed in the context that ASB had just over 500 members for the same period it highlights the very strong Canadian interest in Biomechanics research.

The CSB website has been completely reformatted led by our Communications and Webpage officer (Dr. Peter Keir, McMaster University). Many thanks go out to Dr. Gord Robertson who has looked after the website for countless years (he probably has counted them) and is still providing assistance in hosting the site at the University of Ottawa. I encourage you to have a look at the new interface and provide comments back to Peter. The website link is: www.csb-scb.com.

Looking back on the 2006 conference still brings back both very fond and stressful memories. The meeting was very well received based on the comments and feedback that was received by the organizing committee. The career award winners (Drs. Doris Miller and Walter Herzog) both gave fabulous talks that provided us with both a glimpse of their science but also of the pathways and discoveries that their careers comprised to date. Looking forward, I am eagerly awaiting the NACOB conference and in particular the career award sessions. Dr. Ron Zernicke will be receiving a career award and Dr. Aftab Patla will receive an award posthumously. Both of these prominent researchers have also been heavily involved in CSB, including serving as presidents of the society.

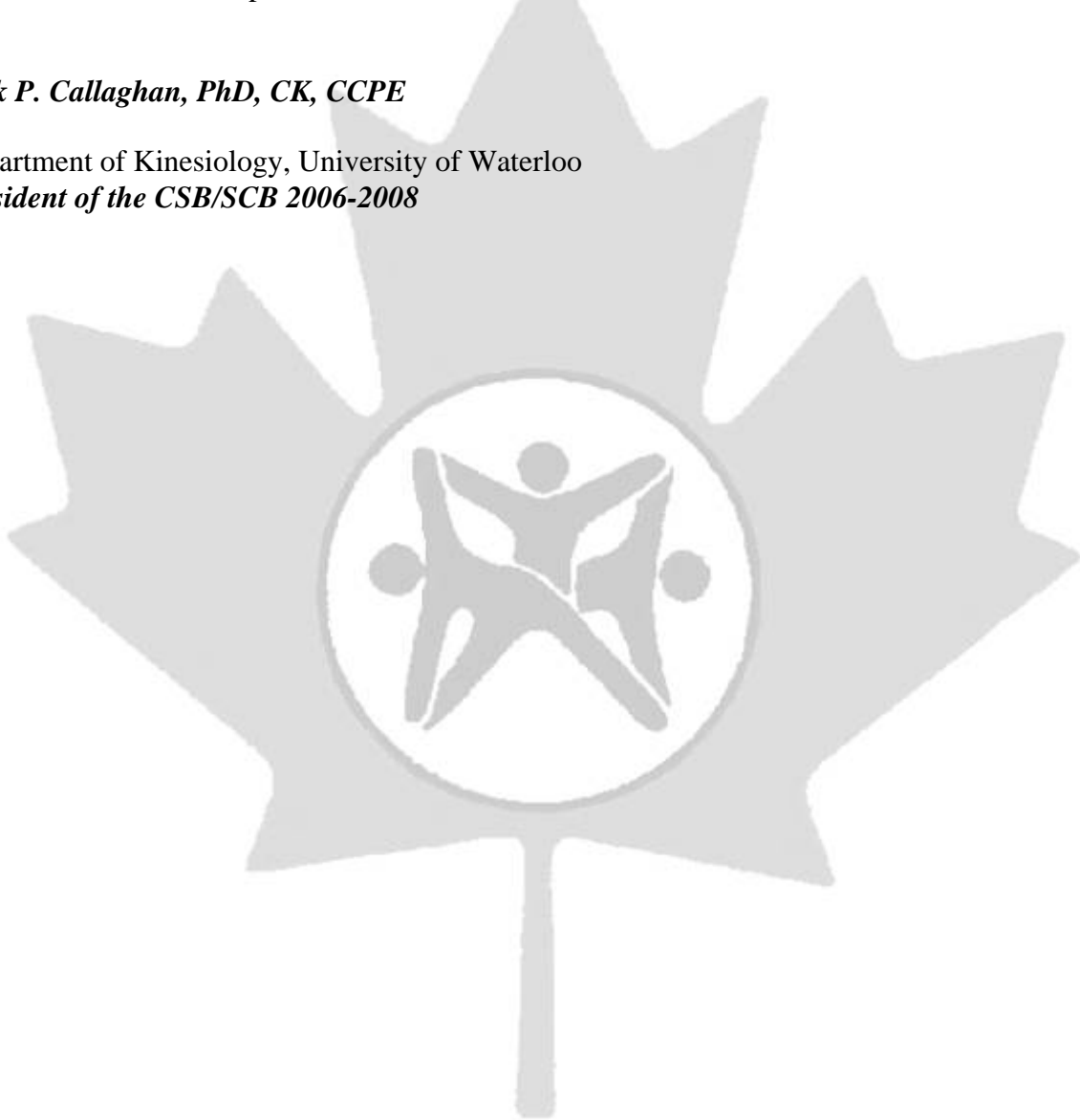
On the sad note of Dr. Patla's passing away, I would feel remiss if I did not briefly comment on the several untimely deaths that have touched the Biomechanics world in the past

two years. In the USA, Dr. Tony Keller was fatally shot at the end 2006 and just a short time later on April 16, 2007 we were all shocked and saddened by the shootings at Virginia Tech. Dr. Kevin Granata, a researcher I knew and who worked in my own research area of spine biomechanics, was one of victims at Virginia Tech. All three of these individuals were well-respected researchers still in the midst of their research careers. I encourage you to take the time at NACOB and other meetings to meet and talk with colleagues as these sad events serve as a reminder that things can change all to quickly sometimes.

Until next time, I look forward to seeing everyone at NACOB and having the chance to discuss research, catch up with old friends, and make new ones.

Jack P. Callaghan, PhD, CK, CCPE

Department of Kinesiology, University of Waterloo
President of the CSB/SCB 2006-2008



COMMUNICATIONS REPORT

We have finally updated the CSB website, many thanks to Gord Robertson and his tireless efforts for years (and years) to maintain the website and continue to host it. Much of the information is from Gord's efforts. Also great thanks to Mike Holmes for his web design and programming.

This newsletter has been a long time coming. We have started to develop a better online system for information distribution and enhance member services such as renewals and newsletters. We are hoping to have a listserv for Biomechanics in Canada, not to rival Biomch-1 but to serve the Society's needs better and act as a mass email.

We are always looking for new ideas, information and feedback on the site (especially broken links). We are also looking for a volunteer to embellish the French side of the website. Please contact me directly with interest or information (pjkeir@mcmaster.ca).

Also note that the Annual General Meeting will be held at NACOB 2008 on Thursday August 7th from 12:30 -1:30 in room MLB 4. All members are welcome to attend and provide input. Please contact the executive if you are interested in becoming involved with the executive or do so at the meeting.

Thanks to the University of Ottawa for hosting our website. The Society webpage address is:

www.csb-scb.com

Peter Keir, Communications and Webpage Editor

CSB / SCB NOTICES

NACOB 2008

The 4th North American Congress on Biomechanics (NACOB 2008) will be held in Ann Arbor, Michigan, from August 5th to August 9th. NACOB is a joint meeting of the American Society of Biomechanics (ASB) and the Canadian Society for Biomechanics (CSB).

Nearly 600 abstracts were submitted, providing the basis for a strong and exciting scientific program. In addition to laboratory tours, tutorials, and an opening reception on Tuesday the 5th, the Congress will feature a keynote lecture on each day of the following four days: John DeLancey, M.D. (“On the challenge of vaginal birth”), Mimi A.R. Koehl, Ph.D. (“Locomotion in a turbulent world”), Steve Scott, Ph.D. (“The 3 B’s of Motor Control: Behavior, Brains, and Biomechanics”), and Jaap van Dieën, Ph.D. (“Low Back Injury: From Workplace to Lab and Back”). The program will also have a total of 33 podium sessions and 2 poster sessions. In addition, a total of 4 symposia have been planned that will cover a variety of exciting topics. A number of awards will also be presented including ASB’s Young Scientist and CSB’s NDI New Investigator Awards, 2 Career Awards for the CSB, and ASB’s Borelli, Hay, Clinical Biomechanics and Journal of Biomechanics Awards. Vendor exhibits will also be available so Congress attendees can see the latest technology for biomechanics research. The Banquet will be held at the Henry Ford Museum on Thursday August 7. For more information on NACOB2008, please visit the Congress website at <http://www.nacob2008.org/>.

We look forward to seeing you in Ann Arbor in August.

James Ashton-Miller, Meeting Chair
Richard Hughes and David Andrews, Program Co-Chairs

David Andrews, CSB Conference Chair

CSB/SCB Membership

Membership as of July 2008 (these numbers do not include new member from NACOB 2008 registrations). We are looking into a more efficient renewal process. A membership form is provided in this newsletter or can be found on the CSB/SCB webpage. You can also safely pay dues online at:

<http://www.health.uottawa.ca/biomech/csb/membership.htm>.

Regular members	56
Student members	70
CSB Fellows	5
Lifetime members	8
Total	139

Jennifer Durkin, Secretariat

STUDENT REPORT

CSB @ OBC (March 14-16, 2008)

Recently a collection of biomechanists put their research on display at the Ontario Biomechanics Conference in Barrie Ontario. Over 50 presentations were made by a combination of undergraduate and graduate students, covering a variety of topics in the field of biomechanics. One of the conference highlights was the CSB award session. The CSB sponsored an award session at this meeting to help recognize quality research being conducted by CSB student members.

The presenters selected as finalists for the session were:

- Amanda Chisholm from Wilfrid Laurier University and the Toronto Rehabilitation Institute, presenting gait characteristics of the center of pressure in sub-acute stroke patients.
- Maeghan Innes for the University of Guelph, sharing results from an in-vitro investigation of meniscal movement using medical imaging.
- Samuel Howarth from the University of Waterloo, discussing the minimum number of padding points: Effects of sampling and cutoff frequency when digitally filtering kinematic data.

Following three captivating presentations, the judges were faced with a remarkably tough decision to select a winner. When the dust had finally settled Amanda Chisholm was selected as the 2008 CSB Award winner at the 5th Annual Ontario Biomechanics Conference. Congratulations Amanda!



CSB and NexGen Ergonomics competition award finalists at the 2008 Ontario Biomechanics Conference. Finalists from left to right: Maeghan Innes (CSB finalist), Samuel Howarth (CSB finalist), Marty Smets (NexGen award winner), Amanda Chisholm (CSB award winner), Nadine Dunk (NexGen finalist), & Diana De Carvalho (NexGen finalist). Not in photo: Tegan Upjohn (NexGen finalist).

Steven L. Fischer, Student Member

CSB STUDENT MEMBERS- WE NEED YOUR FEEDBACK

We are looking to generate new and exciting approaches for maintaining student membership levels and to continue building a strong biomechanics society.

NEW student benefits added over the last year include:

- ✿ A NEW WEBSITE with links to previous conference proceedings, software, biomechanical journal websites, author guidelines, and links to various biomechanics societies worldwide.
- ✿ NDI Young Investigator Awards - \$500 for masters and doctorate levels, \$1000 for post doctorate.
- ✿ Student Travel Award valued at up to \$3000 to facilitate travel to another laboratory to perform collaborative biomechanics research.
- ✿ Up to \$6000 in Conference Travel Grants to help offset costs associated with attending the biennial meeting.

To continue to grow as a society and foster research in the area of biomechanics, we would greatly appreciate if you could take a few moments to answer a few short questions regarding the benefits of a CSB membership:

- | | YES | NO |
|--|--------------------------|--------------------------|
| 1) Would you continue to be a CSB member following your degree completion if your membership included: | | |
| - A subscription to a CSB driven biomechanics journal (would require a moderate fee increase)? | <input type="checkbox"/> | <input type="checkbox"/> |
| - Discount offers on existing journals such as Journal of Biomechanics, Applied Biomechanics etc? | <input type="checkbox"/> | <input type="checkbox"/> |
| - Access to a continuously updated job database? | <input type="checkbox"/> | <input type="checkbox"/> |
| - Access to annual continuing education seminars? | <input type="checkbox"/> | <input type="checkbox"/> |
| 2) Would you benefit from a quarterly or biannual CSB newsletter highlighting biomechanics research across Canada? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3) Would you benefit from a web-based CSB discussion forum? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4) What additional website features that would like to see included in the new web format? | | |

- 5) What additional features of a CSB membership would help facilitate your research and interests in biomechanics?

- 6) Additional thoughts or comments?

Send form or comments to **Steven L. Fischer, Student Member** (sfischer@ahsmail.uwaterloo.ca)

EXECUTIVE MEMBERS / MEMBRES D'EXÉCUTIF CSB/SCB 2006-2008

President	Dr. Jack Callaghan Department of Kinesiology University of Waterloo 200 University Ave., West. Waterloo, Ontario, Canada, N2L 3G1	Tel: +1-519-888-4567 ext. 37080 Fax: +1-519-746-6776 Email: callagha@healthy.uwaterloo.ca
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	Mr. Steven L. Fischer Kinesiology Department University of Waterloo Waterloo, Ontario, Canada, N2L 3G1	Tel:(519)888-4567 ext 36162 Email: sfischer@ahsmaail.uwaterloo.ca



Membership Application/Demande D'Adhesion

Required Information / Renseignements Obligatoires

Name / Nom: _____

Address / Adresse: _____

City / Ville: _____

Province / Province: _____

Postal Code / Code Postal: _____

Membership / Admission: Regular / Régulier Student / Étudiant(e)

Telephone / Téléphone: _____

Email Address / Courrier électronique: _____

Credit Card / Carte de Crédit: MasterCard VISA

Card Number / Numéro de la carte: _____

Name on Card / Nom inscrit sur la carte: _____

Expiration Date / Date d'expiration: _____

Optional Information / Renseignement Facultatif

Fax / Télécopie: _____

Current Research / Recherche Courante: _____

Degrees / Diplôme: _____

Areas of Research / Intérêts de recherche: _____

Signature: _____

Date: _____

Send this form with your remittance to:
Renvoyer ce formulaire avec votre cotisation à:

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