

June 2015



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CMBES/SCGB Monthly e-Bulletin


The Canadian
Medical and Biological Engineering
Society



Message from the President

From the desk of the President, Martin Poulin

Greeting CMBES-SCGB Members,

Wow, what a great conference. We had 2400 registrants and over 120 countries were represented. It had a much different feel with the international focus, but it helped me to understand the difficulties of providing medical technology support in developing nations. One of the interesting things I learned is that our organization supports IFMBE, which in turn supports the International Council of Science. This organization is currently marketing their "Future Earth" campaign to ensure science drives policy to ensure a sustainable world, which includes improving healthcare. Our CMBES Outreach Group made some great presentations on their work defining better processes to support the donation of medical technology to developing nations and Mohcine El Garch, our bilingual chair, presented a French translation of CESOP to international delegates. Some great things are happening in our organization, so please come forward and offer your time to move more of these initiatives forward.

New Members of the CMBES Board of Directors

From the desk of the President, Martin Poulin

Please welcome Dr. Michael Noseworthy as our new Academic Chair and Tidimogo Gaamangwe as our new Publications Chair. These individuals were appointed at the AGM.

Tidimogo (Tidi) Gaamangwe, PhD, P.Eng., is an alumni of the University of Manitoba and University of Waterloo, Canada. He is



currently a Regional Clinical Engineer at the Winnipeg Regional Health Authority. He has previously worked for the Ministry of Health, Botswana. Tidi is not new to CMBES as he has previously volunteered in different capacities. He is looking forward to serving as the new Chair of the Publications Committee and contributing further development of CMBES services.



Dr. Michael D. Noseworthy, PhD, PEng. is the Director and Associate Professor of the School of Biomedical Engineering at McMaster University and is the Scientific Director of the Imaging Research Centre, at St. Joseph's Healthcare, Hamilton. Dr. Noseworthy is a member of the Professional Engineers of Ontario (PEO), Institute of Electrical and Electronics Engineers (IEEE), International Society for Magnetic Resonance in Medicine (ISMRM) and European Society for Magnetic Resonance in Medicine and Biology (ESMRMB).

Welcome to New CMBES Members!

From the desk of the Membership Committee Chair, Sarah Kelso

A new and exciting feature in our monthly bulletins is a welcome to new CMBES members. Please join me in welcoming the following new members (applications approved in May 2015):

Khalid Abdul-Rahman

Jessie MacMasters

Kristina Rinker

Ahmed Khwaja



World Congress Highlights

From the desk of the Vice President and World Congress 2015 Treasurer, Mike Capuano

Not all of the stats are in, but by all accounts, the event was no doubt a success; possibly the most successful ever. With over 2300 attendees representing more than 120 countries, the congress was truly international on many levels. Over 1000

presentations were conducted along with over 400 posters covering 19 tracks. 7 high-level keynotes were given including GE's President and CEO, Jeff Immelt. There were 36 special presentations and 87 continuing education sessions covering Medical Physics, Biomedical, and Closeinical Engineering topics. The trade show had over 100 booths represented by vendors, regulatory bodies, societies, and education institutes. Almost 0.5 Million dollars in sponsorships were obtained. The Wednesday evening Gala was a smashing success with over 900 attending with recognition of some of our own lifetime achievers (Mickey Milner, Monique Frize). The largest contingencies were from: Canada (860), U.S. (318), Japan (96), Brazil (74), China (74), UK (55), and Mexico (50). We thank all of the those who participated in Congress Organizing Committee which included several CMBES members, the conference service (ICS), our Secretariat staff, industry supporters, and volunteers.



Thank you for visiting the CMBES Booth



Thank you to everyone who took time to stop by the CMBES booth. We were happy to see our members, talk with so many students and international delegates. The CMBES booth provided a great opportunity to network, to build new connections, and to learn about the Society, membership benefits and programs.

For those of you, who participated in the contest at the CMBES booth, we are pleased to inform that Pedro Berthemes Filho won the complimentary delegate registration to the 2016 CMBES Conference in Calgary, Alberta, May 24 - 27, 2016 and Brian Kearney won the one-year online subscription to the Journal of Clinical Engineering. Congratulations to both of the winners!



Pedro Berthemes Filho,
Associate Professor State
University of Santa Catarina,
Brazil



Brian Kearney
Clinical Engineer in Naas
General Hospital, Naas, Co.
Kildare, Ireland

CMBES Annual General Meeting

The 2015 CMBES AGM took place in Toronto on June 11. CMBES members received reports from the CMBES Executive on the financial statements, 2015–2016 goals, and reports from the Committees on various services and programs. The CMBES members had an opportunity to participate in the discussions and ask questions. The prestigious CMBES Awards Ceremonies took place during the AGM meeting.

Special Session for Clinical Engineering

From the desk of the Vice-President, Mike Capuano



CMBES members Mike Capuano and Jean Ngoie hosted a session at the World Congress 2015 titled, "World Summit on the Supportability of Medical Devices". This session involved a panel of biomedical engineering practitioners that provided insight into our current state and supposed future state on the support of medical equipment. The session was well attended and provided perspectives from different countries including developing nations. Additional CMBES/COMP support was provided by Mario Ramirez, Murray Rice, Andrew Ibey, Martin Poulin and Marco Carlone. The session was recorded and we hope to develop a paper or summary in the coming months.

CMBES Lifetime Achievement Awards

From the desk of the President, Martin Poulin

At the World Congress, I had the pleasure to provide Lifetime Achievement Awards to Dr. Morris (Mickey Milner) and Dr. Monique Frize. These 2 individuals have contributed in many ways to the development and access to medical device technology and it is very humbling reviewing their biographies.



Dr. Milner's background has been mostly in the development of assistive technologies, but he was instrumental in supporting new companies to develop products in Ontario through the Ontario Rehabilitation Technology Consortium and the Health Technology Exchange. He has received prestigious awards, including the Engineering Medal from the Professional Engineers Ontario, inducted into the Terry Fox Hall of Fame, received an Honorary Doctorate of Science from Queen's University, Kingston, and received the 2007 CSA John Jenkins Award.

Dr. Frize's work has been in clinical engineering and fostering



the role of women in engineering. She has been the Chair of the Division of Clinical Engineering for the International Federation of Medical and Biological Engineering (IFMBE). In 1989, she was appointed the first holder of the Nortel–NSERC Women in Engineering Chair at the University of New Brunswick and a professor of Electrical Engineering. She was inducted as a Fellow of the Canadian Academy of Engineering in 1992 and in 1993, she was made an Officer of the Order of Canada, in recognition of being "well-known in the field of biomedical engineering" and for being "a role model and an inspiration for women seeking careers in science".

Awards and Special Membership Recognitions

From the desk of the Awards Committee Chair, Evelyn Morin

The CMBES Awards and Special Membership Recognitions were presented at the Annual General Meeting at the World Congress in Toronto, on Thursday June 11. This year's awardees were:



Outstanding Canadian Biomedical Engineer

Adrian Chan, Associate Professor, Dept of Systems and Computer Engineering, Carleton University, Ottawa, ON; for his exceptional contributions to biomedical engineering research and teaching, at the high school level (through Shad valley) and undergraduate and graduate student levels.



Early Career Achievement Award

Kyle Eckhardt (Clinical Engineer), Regional Clinical Engineer, Winnipeg Region Health Authority (WRHA) Winnipeg, MB; for his outstanding contributions to clinical engineering services in Winnipeg.



Early Career Achievement Award

Tiago Falk (Biomedical Engineering researcher), Assistant Professor, Institut National de la Recherche Scientifique (INRS), Montreal, QC; for establishing a highly active biomedical engineering research program at INRS, and graduate student mentoring.

CMBES Fellow

Michael Capuano, Manager, Biomedical Technology, Hamilton Health Sciences, Hamilton, ON; for his contributions to Biomedical Engineering



Technology and Clinical Engineering, and his service to CMBES as Chair of the Membership committee (1998–2006), Chair of the Professional Affairs Committee (2008–2012) and, currently, Vice–President of the Society.



CMBES Fellow

Anthony Chan, Program Head, Biomedical Engineering, British Columbia Institute of Technology (BCIT), and adjunct professor, University of British Columbia, Vancouver, BC; for his contributions to Clinical Engineering, and education in Biomedical Engineering Technology and Clinical Engineering, and his service to CMBES as Chair of the Publications committee, 1996–2000, and on CMBES committees.



CMBES Fellow

Murat Firat, Surgical Support Group, Medical Engineering, University Health Network, Toronto, ON; for his contributions to Medical Engineering, and his service to CMBES as Chair of the Professional Affairs Committee (2002–08), Vice–President (2008–10), President (2010–14) and, currently, Past–President. Murat has been instrumental in modernizing and growing the Society during his time on the Executive.

Highlight on a Special Membership Category: CMBES Fellow

From the desk of the Membership Committee Chair, Sarah Kelso

The distinction of CMBES Fellow is conferred on members who are deemed to have rendered outstanding service to medical and biological engineering in one of the fields of organization, practice, development or research. Any member can bring potential candidates for Fellowship to the attention of the Awards Committee.

Fellows pay the same fees as Full Members and also have the same privileges and responsibilities. However, upon retirement Fellows shall be exempt from fees, but will retain their privileges in the Society. If you are a Fellow and are approaching retirement, please remember to contact the Secretariat (secretariat@cmbes.ca) to ensure that you membership settings are adjusted appropriately.

At the recent World Congress three of our accomplished colleagues were conferred as Fellows of CMBES: Mike Capuano, Anthony Chan, and Murat Firat. For a full listing of all CMBES Fellows, please visit our website, [click here](#).

CMBES's First Student Chapter

From the desk of the Membership Committee Chair, Sarah Kelso

I am very pleased to announce that our Society now has our very first Student Chapter. A very active group of students at the University of Victoria, led by Student Contact Dylon Turner and Faculty Advisor Dr. Poman So, have successfully been granted CMBES Student Chapter Status. The group is called The Biomedical Development Group, or BioDev for short. Our national Society and this local Student Chapter each have much to offer one another and we look forward to building a long-term, mutually beneficial relationship with the BioDev group.

Are you interested in starting a Student Chapter?

Hosting a Student Chapter at your academic institution is an excellent way to bring together colleagues who are interested in medical and biological engineering. Being an active participant in CMBES is an excellent way to hear about ongoing biomedical/clinical engineering work happening across Canada, make new contacts and learn about employment opportunities. Furthermore CMBES Student Members are eligible for free registration to CMBES webinars, and CMBES Student Chapters are eligible to receive matching financial funding from CMBES to support their activities. For more information on CMBES Student Chapters please visit our website [here](#).

Publications Committee Update

From the desk of the new Chair of Publications, Tidimogo Gaamangwe

As the new Chair of the Publications Committee, I would like to thank members for their continued participation in CMBES activities. We have a long and ambitious agenda ahead of us and have some innovative ideas to discuss and implement in the next few months. We will keep members updated and will be soliciting feedback. If you would like to become a member of this committee please email myself or the CMBES office. More importantly, I'm looking forward to hearing from you for suggestions on areas that you would like us to put in our agenda. I look forward to hearing new ideas.
E-mail: TGaamangwe@exchange.hsc.mb.ca

CMBES Forum Update

From the desk of the Secretary, Michael Hamilton



Have you been keeping up with the CMBES Forum? To join in, simply [sign into your CMBES Network account](#) and select "Forum" from the drop down box. Outlook users can also receive CMBES posts in their inbox by following [some simple instructions](#). If you

haven't logged in recently, here's some of what you've been missing:

[GE Giraffe Incubators/Omnibeds](#)

Wednesday, June 17, 2015 by tmaclaggan

Hi All, Has anyone experienced System Error 30 Issues – “Line Voltage is out of Range” with the GE (formerly Ohmeda) Giraffe Incubators or Omnibeds? ...

[Purchasing Processes](#)

Wednesday, June 17, 2015 by Mike Capuano

Hi Everyone. We are trying to increase the use of p-cards (credit card) for purchasing parts. Are there others out there that use p-cards (procurement cards)...

[Cell phones, smart phones, tablets](#)

Monday, June 15, 2015 by Mike Capuano

Has anyone relaxed their rules around these devices in their facilities? We still have 1 Meter proximity rule and limits in clinical areas...

CMBES Website Survey

From the desk of the Secretary, Michael Hamilton

CMBES would like to improve our website. However, to better adapt it to your need we first need to understand what those needs are. We've created a survey to collect the feedback we need before redesigning our website. Please consider doing your part by completing the survey,

Survey Button

If you've ever been frustrated when using the CMBES website, this is your opportunity to let us know.

UPCOMING EVENTS

May 24 – 27, 2016

2017

CMBEC39, May 24-27,
Calgary, AB



CMBEC40, 2017
Winnipeg, MB

