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CMBES/SCGB Monthly e-Bulletin

April 2017

Message From the President

From the desk of the CMBES President, Martin Poulin

Greetings Biomed Community,

The time is now to register for the early bird rates at the Winnipeg conference (May 23–26). Thank you to some of our vendors for sponsoring some of the social aspects of the event. The list of sponsors and exhibitors (27 and counting) is on our website; they are an integral part of making our conference a success.

We also have our first webinar of the year on April 21st. Bill Gentles will present his perspectives on the importance of the Clinical Engineering Standards of Practice now referenced by the Accreditation Standard of Canada. He will also speak to the Peer Review process to audit compliance of Biomedical/Clinical Engineering departments to the standard. Remember that student members can register for free.

See you at the conference.

Martin

Message du président

Du bureau du président de SCGB, Martin Poulin

Salutations Communauté du Biomédical,

Le moment est venu de s'inscrire en profitant des rabais d'inscription "au plus tôt" pour la conférence de Winnipeg (du 23 au 26 mai). Merci à certains de nos fournisseurs de parrainer certains des aspects sociaux de l'événement. La liste des sponsors et des exposants (27 et plus à venir) se trouve sur notre site Web; Ils font partie intégrante de la réussite de notre conférence.

Nous avons également notre premier webinaire de l'année le 21 avril. Bill Gentles présentera sa vision sur l'importance du CESOP actuellement référencée par le Norme d'accréditation de Agrément Canada. Il parlera également du processus d'examen par les pairs pour vérifier la conformité des services de génie biomédical et clinique à cette norme. Rappelez-vous que les membres étudiants peuvent s'inscrire gratuitement au webinaire.

Au plaisir de vous voir nombreux) à la conférence.

Martin

Message from the Vice President

From the Desk of the CMBES Vice President, Mike Capuano

[CMBEC40](#) is soon approaching. Organizers have their fingers crossed with hopes that many of you who plan to register do so asap. A lot of work has gone into this premier event which appears to have all of the elements a great event should have; great presenters and extremely relevant content. Reminding you also of upcoming webinar on **Friday, April 21st at 11:30 am EST** on the CMBES Standards of Practice and Peer Review. This is a must for those planning on giving your program a boost or seeking affirmation of your current operation. [Click here](#) to register online! I know this is a busy time of year with year ends happening and even other conferences and events being planned for. Keep in mind that the CMBES is our vehicle in Canada that promotes biomedical engineering and technology in our own country. A good example is our efforts in tackling supportability of medical devices. If you are attending the conference and work in clinical engineering, you should attend the third summit on this topic which occurs on **Thursday, May 25th, at 10:30 am**.

We need to increase our membership and numbers of volunteers to keep this vital organization strong. Contact our [Secretariat](#) or [send me](#) a message if you are interested. See you in Winnipeg!

Welcome to New Members!

From the desk of the Membership Committee Chair, Sarah Kelso

Please join me in warmly welcoming the following new members to CMBES (memberships approved Feb – Mar 2017).

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|----------------------------|----------------------|
| Ogheneriobororue Amromanoh | Susan Crawford-Young |
| Jorge Sacristán | Ishant Gupta |
| Gary Slaunwhite | Alana Esty |
| Jorge Aguilar | Patrick Wu |
| Scott Nelson | Gelareh Hajian |
| Tom Gibbons | |

Use the Member Directory

Our CMBES Member Directory is an excellent resource any time you are searching for someone in the field: other members in your area, a potential employer, a keen summer student, or a new acquaintance from a recent event/conference.

You can access the directory by selecting “Account Log IN” from the header on the main page at CMBES.ca. Once logged in, select “Member Directory” from the dropdown menu at the top right. All members in good standing are listed and can be sorted by first/last name, province, and country. You can access contact information for your fellow members as well as details on their current job function, certifications, awards, and professional interests.

Finally, please try to keep your own member profiles updated, so that when someone is interested in connecting with you, they are able to find you in the Member Directory.

CMBES Membership Publications Spotlight

From the desk of the Professional Affairs Committee Chair, Andrew Ibey

I was recently browsing the digital historical halls of the CMBES in the Library and Archives Canada and discovered a gem. This month's publication is a throwback to 1982 and the early days of the CMBES. The article titled "The Canadian Medical & Biological Engineering Society's clinical engineering policy and procedures" was written by Orest Z. Roy who served as CMBES President from 1976–1980. He quite eloquently wrote that "...the practice of engineering within the clinical environment is so intimately related to the welfare of the patient, and the efficacy of health-care delivery, that health-care professionals have seen the desirability of peer review and certification of the competency of those practicing in this area...". Roy's article primarily on Certification is as relevant today as it was in 1982!

Journal of Medical Engineering & Technology, Volume 6, Number 2 (March/April 1982), pages 70–72

The Canadian Medical & Biological Engineering Society's clinical engineering policy and procedures

O. Z. Roy

National Research Council of Canada, Ottawa, Canada K1A 0R8

CMBES certification policy

The need for the certification of clinical engineers has been discussed widely both on the national level, by the Canadian Medical & Biological Engineering Society (CMBES), and on the international level, by the CMBES and its American counterparts. Although the health-care delivery systems of the two countries may differ, the major reasons for certification are the same. It is therefore considered that a policy of international certification should be pursued, a policy which would be beneficial to all concerned.

The reasons for certification have been described [1] by an *ad hoc* committee established by the Association for the Advancement of Medical Instrumentation (AAMI), as well as by the Professional Affairs Committee of the CMBES [2]. The basic conclusion is that the practice of engineering within the clinical environment is so intimately related to the welfare of the patient, and the efficacy of health-care delivery, that health-care professionals have seen the desirability of peer review and certification of the competency of those practising in this area. *Such certification does not replace engineering registration, but is supplementary in the same manner that board certification in the practice of a medical speciality does not replace the need for Provincial registration as an MD.* Although the peer-review

Biomedical engineering: relates more specifically to devices and systems involving human patients.

Clinical engineering: a hospital-based activity in which the engineer works closely with physicians and allied health personnel directly upon problems of concern in patient care.

Rehabilitation engineering: a hospital- or institution-based activity in which the engineer identifies and solves problems relating to the development of rehabilitation devices, both electronic and mechanical.

Certification structures

To be effective, both registration and certification procedures must maintain a respected public image by providing public service without becoming a process for protecting the economic interests of the speciality. It is felt that this goal can be best accomplished through the following structures:

- (1) *A Certification Commission.* The commission is responsible for all certification policy and co-ordination and management of all functions pertaining to the certification process. The certification commission is

If you or your organization has recently published any materials and they would be of interest to our CMBES membership, we'd like to know about it. Please contact the [Secretariat](#) with a copy of your work so we can showcase it in Membership Publications Spotlight!

Update on the CMBEC40 Conference

From the desk of the CMBEC40 Chair, Kyle Eckhardt

Dear Colleagues,

[CMBEC40](#) is less than 2 months away! We are putting the final touches on the five conference streams that are featured this year! They include Continuing Education, Medical Device Industry, Digital Health Information Management, Academic and Research, and Clinical Engineering. On behalf of the conference organizing committee, we are very much looking forward to hosting you in Winnipeg. Here is a sneak peak at some of the special events we have in store for you.

- Tuesday evening is the Welcome Reception at the [Canadian Museum for Human Rights](#) sponsored by [Zoll Medical](#).
- Your conference Keynote Speakers are [Mr. Tim Hague](#) on Wednesday May 24th and [Mr. Charles LaFleche](#) on May 25th.
- Conference Opening Reception will take place at the [Hotel Fort Garry](#) at the end of day, May 24th.
- The CMBES Awards Cocktail Reception and Gala Dinner will be taking place at [Historic Fort Gibraltar](#) on the evening of May 25th, [sponsored by Baxter and BD Canada](#).

The deadline for early bird registration (April 14th, 2017) is quickly approaching. If you have not yet received approval from your managers, time is running out for the opportunity to significantly save on [registration fees](#)! To help with seeking approval to attend CMBEC40 here is a [Letter to Your Supervisor](#) template. You will receive a discounted room rate for staying on-site at the [Fort Garry Hotel](#). Just let them know you are attending [CMBEC40](#).

Early Bird Registration Contest

In addition to excellent Early Bird discounts, all Early Bird registrants will be entered in a draw for a complimentary day pass to [TenSpa](#) – the world class Spa located on the top floor of the Fort Garry Hotel. A great way to unwind at the end of a long day of sessions and networking!

Don't forget to register for continuing education courses. Our continuing education team has a wide range of technical writing and training courses you may be interested in.

See you soon, in the heart of the continent!!!

CMBES Forum Update

From the Desk of the CMBES Secretary, Kelly Kobe

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:

[Pentax EPK-i 7010 Image Quality Issue when DVI output used](#)

February 1, 2017 – by LPina

There is a significant image degradation when the DVI output is selected to display on the monitor...

Interested in publishing your story in the monthly e-Bulletin or the quarterly Newsletter? [Contact us](#) to discuss your topic!