



CMBES/SCGB Monthly e-Bulletin

Message from the President, Martin Poulin

I trust everyone has had an opportunity for some lazy days this summer. I had a great vacation and now look forward to the new-year with some renewed energy. There is some great energy emanating from the executive team and its many volunteers trying to foster communication and education opportunities for members. Check out the new discount for the Journal of Clinical Engineering, which is a new member benefit. Efforts will be made in the next few months to improve our website so that CMBES/SCGB will become the goto site for biomedical engineering resources. If you would like to get involved or would like to chat about any CMBES/SCGB issues, please give me a call.

Welcome to New CMBES Members!

From the desk of the Membership Committee Chair, Sarah Kelso

Summer can be a great time to step away from the daily grind to spend some time on other interests, vacationing with family, or just relaxing in the warm sun! As such, we are not surprised to see new member enrollments decrease over the summer months. However, we do look forward to increased new enrollments and renewals as we head into autumn.

Please join me in welcoming the following new members (applications approved in July 2015) who made time in their summer schedule to join CMBES:

Liping Sun
Raymundo Cassani

Words of Appreciation

From the Desk of CMBES Vice President, Mike Capuano

I would like to take this opportunity to thank all CMBES members for their continued support and participation throughout the year so far. Special appreciation goes out to the hard (and smart) working volunteers who spend added hours to assist and promote our profession. These include biomedical and clinical engineers, technicians, technologists, faculty, and healthcare professionals; especially those who serve on the CMBES executive, the subcommittees, and conference organizing committees (including the World Congress

and CMBES conferences).

It is hard to believe that these individuals can carry out such feats when they themselves are deluged with significant responsibilities and pressures at their own employ. I believe it is a winning team because most recently there have been several successes that the CMBES can clearly mark, including the success of the 2015 World Congress, continued webinars, increasing numbers of peer reviews, increased member benefits, flexible membership categories, the CMBES Forum, and the outstanding content we continue to see at our conferences. CMBEC39 in Calgary next year already has a great schedule.

CMBEC39 Calgary Conference

From the desk of the Calgary Committee Chair, Kelly Kobe



Welcome Message

On behalf of the CMBEC39 Organizing Committee, I am pleased to invite you to join us for the 39th Canadian Medical and Biological Engineering Conference that will take place on May 24–27, 2016 in Calgary, Alberta.

Our 2016 Conference will provide an invaluable and carefully considered program that will create meaningful opportunities to learn and network.

The Organizing Committee is working hard on planning an innovative and thought-provoking program on topics that are of high interest and essential to the healthcare industry. Beyond the educational and knowledge exchange programs, our hospitality program will continue to provide a more casual forum for conversation and collaboration. There will be many opportunities to catch up with your industry colleagues and to make new acquaintances. So plan ahead and get ready to meet us in Calgary!

Please be sure to visit the [website](#) often as it is updated regularly to include new information on CMBEC39, registration and accommodation details.

We look forward to seeing you in the beautiful and uniquely cosmopolitan city of Calgary, surrounded by breathtaking landscapes in every direction! Come and experience our unique brand of western hospitality in action!

We look forward to welcoming you to CMBEC39!

See you soon.

Please meet the CMBEC39 Organizing Committee:



Kelly Kobe,
CMBEC39 Conference Chair

Amanda Saigeon,
Co-Chair, Clinical Engineering Program

Darrel Nilsson,
Co-Chair, Clinical Engineering Program

Jesse Esperame,
Co-Chair, Biomedical Technology Program

Orrin Stephen,
Co-Chair, Biomedical Technology Program

Martin Mass,
Co-Chair, Exhibits and Sponsorship

Bud Haycock,
Co-Chair, Exhibits and Sponsorship

Carl Anderson,
Co-Chair, Local Arrangements

Jamie Jaffray,
Co-Chair, Local Arrangements

Roy Sharplin,
Co-Chair, Continuing Education Program

Nisha Madan,
Co-Chair, Continuing Education Program

Want to help with the 2016 CMBES Conference planning?

Please contact [Kelly Kobe](#) to discuss it further.

We are currently looking to fill in positions for the Conference Academic Chairs. The role and responsibilities for this position are available upon request.

CMBES Website Update

From the desk of the Secretary, Michael Hamilton

To date we've had 22 responses to our website survey. This feedback will be invaluable as we reshape the cmbes.ca website into a modern and genuinely

useful resource for the CMBES membership and for the larger biomedical engineering community. If you've not already participated you can still [complete the CMBES website survey online](#).

Announcing New Publications Committee Members

From the desk of the Publications Committee Chair, Tidimogo Gaamangwe

The Publications Committee meeting took place on July 29, 2015 to discuss some of the roles and responsibilities. There were many good discussions and ideas concerning our regular publications (e-Bulletin and Newsletter) and how to make them interesting and relevant to the CMBES community across Canada. An Editorial Calendar of the monthly e-bulletins and quarterly newsletters was put together to encourage the content development and ongoing dialog with CMBES members. The Committee is currently discussing among other things, the required positions for the CMBES Newsletter Editorial Board. The Editorial Board will take the lead in developing and producing high quality publications relevant to the current issues facing the Society in general. The next newsletter is scheduled for the first week of October.

In the meantime, please get your mighty pens and papers ready to share your stories *en Anglais et en Francais*. We look forward to receiving both technical and non-technical stories from the various areas of your practice. Don't miss this great opportunity to get involved with the Society and contribute to the knowledge exchange and information sharing. If there are any comments, concerns or questions, please feel free to contact myself at tgaamangwe@hsc.mb.ca or anyone of the committee members.

Please help me welcome the new CMBES Publications Committee! We are sincerely grateful for their support and help in advancing our work in this area.

Gnahoua Zoabli	CSSS du Lac-des-Deux-Montagnes
Michael Noseworthy	McMaster University
Mike Capuano (Vice-Chair)	Hamilton Health Sciences Centre
Mohcine El Garch	Groupe Biomédical Montérégie
Patrick Quesnel (Secretary)	Carleton University
Rachel Zhang	The Children's Hospital of Eastern Ontario
Rajeev Yadav	Genia Photonics Inc.
Sarah Bruch	Carleton University
Tidimogo Gaamangwe (Chair)	Winnipeg Regional Health Authority

Spotlight on the CMBES Executive

We are very excited to introduce our new rubric – *Spotlight on the CMBES Executive!* Do you know who the CMBES Executive are? Every month you will have an opportunity to meet the Executive members up-close and to learn a bit more about this passionate and dedicated group of professionals. All the Executive serve the Society as volunteers; through their collective experience and vision, they contribute to the continuing success of The Canadian Medical Biological Engineering Society. So we are inviting you to learn more about them, their professional and volunteer experience, what CMBES means to them and why they are involved with the Society, as well as some fun facts and hobbies they enjoy during their downtime. We hope you will enjoy this new rubric!

Meet Mike Capuano, Vice President of CMBES



I live in Hamilton, Ontario. It's a great place to live. I have a wife named Maria, a son named Curtis, and a cat named Mr. Mikey. I work at Hamilton Health Sciences managing the Biomedical Technology department. I was born and raised in Welland, Ontario; not far from Niagara Falls. I have an identical twin and a younger brother. My wife and I like to travel (that's why we don't have a dog). We love dogs.

Travelling adds dimensions to the way you think. Most recently we went to England and Ireland (see pics). I have a music and sports background. I've played trumpet, French horn, saxophone, Hammond B3 organ (with spinning speakers), and electronic keyboards.

These skills took me around the Niagara region in my late teens performing in a group called AMBUSH. I have a penchant for classic keyboard sounds and the rock genre. I'm still interested in pop music especially live performances. I've played baseball, basketball, and hockey. Hockey was my favourite game to play (I was on the Hamilton General Pacemakers!). Baseball is my favourite sport to watch (Go Blue Jays!). We've done quite a bit of camping and enjoy going to 'other people's' cottages (we have great friends).

I like fishing and boating (other people's boats). I'm interested in astronomy, history, and wildlife (especially in

ornithology). From an entertainment perspective, I'm not much of a video gamer but I do enjoy good movies including science fiction or a well-made flick. Maria and I frequent the movie theaters. Remember those? I like to read suspense. I like to tinker in the garage. I'm also a foodie with big taste (lasagna, gummie bears). That's all folks! ☺



Book: Human Factors for Health Technology Safety: Evaluation & Improving the use of Health Technology in the Real World

From the desk of the Professional Affairs Chair, Andrew Ibey



Authors Andrea Cassano-Piché, Patricia Trbovich, Melissa Griffin, Ying Ling Lin and Tony Easty

Industries such as aviation and nuclear power have greatly improved their safety performance through the application of human factors methods to the design, development, selection and deployment of a range of technologies and work processes. Health care safety performance generally lags behind these industries and would benefit from a similar application of human factors methods. Clinical engineers and technologists are in an ideal position to acquire and apply this human factors knowledge, and lead its adoption in health care.

This book was written by members of the HumanEra Team based at University Health Network and the University of Toronto. This team has pioneered the use of human factors methods for those working in clinical engineering environments who design, develop, select and support the use of health care technologies. Readers are able to learn the key methods of human factors and adopt them as part of their ongoing work. Early indications are that these approaches help to ensure that health care technologies are used more safely and effectively, and it is hoped that large-scale adoption will result in a noticeable and worthwhile improvement in overall health care safety. There are several groups in Canada who specialize in applying these methods in health care environments. Indeed, Canada has become known as an international centre for work of this kind.

The described text is now ready and has been published in English on the IFMBE website homepage at: <http://ifmbe.org>. It is available as a free download in PDF format. Clinical engineers and others working around the world in the area of health technology are encouraged to learn and adopt these methods, and use them as appropriate in their local setting. At time of writing, plans are underway for a translation of this book into Spanish. Once completed, this version will also be made available online at no charge. The authors encourage readers to contact them with their experiences, and the aim is to build a worldwide community that gradually adopts these methods and helps to drive safety improvements in health care.

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](#).

UPCOMING EVENTS

May 24 - 27, 2016

CMBEC39, May 24-27,
Calgary, AB



2017

CMBEC40, 2017
Winnipeg, MB



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