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CMBES/SCGB Monthly e-Bulletin

October 2019

From the Desk of the President

Mike Capuano, CMBES President

As the leaves start to fall, we start to anticipate many things to come including Thanksgiving, Remembrance Day, Christmas, and the coming new year. It also means some of the activities planned by the CMBES are commencing. Our webinars are being launched this month and plans for CMBEC43 in Montreal are underway. There are numerous activities and initiatives being undertaken by the executive; all focused on bringing value and a better experience to the membership. I thank the executive members, new members, and the general membership of the CMBES for their dedication and contributions.

Membership Updates

From the desk of the Membership Committee Chair, Gad Acosta

This month I had the pleasure to have a conversation with Rutvik Patel, who has joined our Membership Committee and called us from Iqaluit, Nunavut. While we met originally in Toronto, it was possible to keep in touch through the participation in our Society. This way we are able to share knowledge about a diverse range of systems and experiences with medical equipment. We have also collaborated in an exciting international outreach project, and there will be more information about this in the coming months!

I would like to invite you to join me in welcoming the new members of our Society:

Sana Sadeh

Kristen F. Fitzpatrick

Arijit Home

Jeff Proudfoot

Daniel Milej

Umarani S M

Clarification on the Article, Published in the July 2019 CMBES E-Bulletin

In the item entitled “Health Canada Has Released a Guidance Document on Pre-Market Requirements for Medical Device Cybersecurity”, there is mention that the Communications Security Establishment (CSE) and the NRC collaborated with Health Canada on the writing of the guidance document. This is incorrect; Health Canada was the sole author of the guidance

document. However, the NRC and CSE did work with Health Canada on the preparation of a related document, “Cybersecurity for medical devices: Recommended best practices during design, development and deployment”. This report was meant to complement the Health Canada pre-market guidance document by providing additional insight, information and hints that medical device developers might find useful in their efforts.

The report is available at <https://doi.org/10.4224/40000465>. I was the lead author of the report and so am very familiar with its contents and its preparation. I would also like to see its existence being made known to as many Canadian medical device professionals as possible, which is the primary motivation for writing to you.

Besides being informed about the cybersecurity report, your membership may benefit by being made aware of the NRC Medical Devices Research Centre (MDRC) (<https://nrc.canada.ca/en/research-development/research-collaboration/research-centres/medical-devices-research-centre>), and the support that the MDRC can offer Canadian medical device companies. I noticed that NRC IRAP (Industrial Research Assistance Program) is mentioned on the CMBES webpage “Funding Sources for Innovators”. Perhaps a link to the MDRC page could be included on the CMBES webpage “How to develop your medical device innovation”?

Thank you for your consideration in these matters.

Richard Bernhardt, M.Sc., P.Eng., FEC
Medical Devices Research Centre
Life Sciences Division
National Research Council

SAVE THE DATE

The 42nd Annual International Conference of the
IEEE Engineering in Medicine and Biology Society
July 21 - 25



"Enabling Innovative Technologies
for Global Healthcare"





Palais des congrès de Montreal

-SAVE THE DATE-



The IEEE Engineering in Medicine and Biology Society is pleased to announce the **42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, to be held in Montreal, Quebec, Canada, July 20th - 24th, 2020.** The theme of the meeting is "Enabling Innovative Technologies for Global Healthcare". As the worlds largest international biomedical engineering meeting. A broad array of scientific tracks will cover diverse topics of cutting-edge research and innovation in biomedical engineering, healthcare technology R&D, translational clinical research, technology transfer and entrepreneurship, and biomedical engineering education.

In addition to the high-profile keynotes, the conference program will feature mini symposia, workshops, special sessions, oral and poster sessions, sessions for students and young professions, sessions for clinicians and entrepreneurs, and exhibits from vendors and universities. Themes include:

Biomedical Signal Processing

Biomedical Imaging and Image Processing

Micro/Nano-bioengineering

Cellular/Tissue Engineering & Biomaterials

Computational Systems & Synthetic Biology

Multiscale modeling

Cardiovascular and Respiratory Systems Engineering

Neural and Rehabilitation Engineering

Biomedical Sensors and Wearable Systems

Biorobotics and Biomechanics

Therapeutic & Diagnostic Systems and Technologies

Clinical Engineering

Biomedical & Health Informatics

Biomedical Engineering Education and Society

Translational Engineering for Healthcare Innovation and Commercialization

Important Dates	Organizing Committee
Sessions Proposals, Mini-Symposia, Workshops, & Special Sessions	
Submission deadline	Nov 22, 2019
Accept/reject notification	Dec 19, 2019
Final submission deadline	Jan 16, 2020
Full papers	
Submission deadline	Jan 23, 2020
Accept/reject Notification	April 10, 2020
submission deadline	April 30,2020
1-page papers (Research Poster Papers)	
Submission deadline	April 17, 2020
Accept/reject notification	April 28, 2020
Final submission deadline	May 3, 2020
http://embc.embs.org/2020/	
Conference Chair – Mohamad Sawan Westlake University	
Conference Chair – Carolyn McGregor Ontario Tech University	
Conference Chair – Atam Dhawan New Jersey Institute of Technology (NJIT)	
Finance Chair- Emilio Sacristan Universidad Autónoma Metropolitana Iztapalapa	
Program Chair –Benoit Gosselin Université Laval	
Program Chair –Joaquin Azpiroz Leehan Universidad Autónoma Metropolitana Iztapalap	
Program Chair –Dominique Durand Case Western Reserve University	
Conference Editorial Board Chair – Riccardo Barbieri Politecnico di Milano	

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