

Sunday, October 28, 2018				
Tutorials				
ROOMS:	Ambassador C	Executive	Foyer	Les Verrieres
7:30-5:00 pm			Registration is Open	
8:30-10:00 am	<i>Tutorial 1: Nanotextured Engineered Interfaces to Living Systems</i> Moderator: Samir Iqbal University of Texas Rio Grande Valley - USA	<i>Tutorial 2: Monitoring Systems during Orthopedic Surgeries: from Circuits to Clinic</i> Moderator: Hong Chen Tsinghua University - China		
10:00-10:30 am			Break	
10:30-12:00 pm	<i>Tutorial 3: Signal Processing in Brain Implantable Microsystems</i> Moderator: Amir Sodagar York University - Canada	<i>Tutorial 4: Agile Clinical Decision Support Application Development</i> Moderators: Vaishnavi Kannan, Mujeeb Basit & Duwayne Willett University of Texas Southwestern Medical Center - USA		
12:00-1:30 pm				Conference Lunch
1:30-3:00 pm	<i>Tutorial 5: Wearable Medical Devices and the Call for Self-Awareness of Systems</i> Moderator: Nima TaheriNejad Institute of Computer Technology Tu Wien - Austria	<i>Tutorial 6: Circuits and Technologies for High-Density Neural Recording</i> Moderator: Carolina Mora Lopez IMEC - Belgium		
3:00-3:30 pm			Break	
3:30-5:00 pm	<i>Tutorial 7: Implantable Technology</i> Moderator: Robert Sobot ETIS/ENSEA-University of Cergy-Pontoise-CNRS - France Western University - Canada	<i>Tutorial 8: Impact of Signal and Imaging Processing Technologies in Medical Imaging: the Case of High-Resolution Imaging</i> Moderator: Denis Kouame University of Toulouse III - France		

Monday, October 29, 2018				
Schedule				
Rooms:	Ambassador C	Ambassador A	Foyer	Les Verrieres
8:00-6:00 pm				Registration is Open
8:30-10:00 am	<i>Lecture Session 1: Bio-Circuits and Systems</i> Chairs: Robert Sobot, Takashi Tokuda	<i>Special Session 1: Innovative Circuits and Techniques for Bio-Sensing, Stimulation and Interfacing</i> Chairs: Amir Sodagar, Hossein Kassiri	<i>Poster Session 1: All Posters for the Monday Session must be hung by 10:00 am</i>	
10:00-10:30 am			<i>Poster Session 1: All Authors must stand by their posters during the break</i>	Break
10:30-11:00 am	Conference Opening Ceremony			
11:00-12:00 pm	<i>"Epileptic Engineering: From Basic Neurophysiological Mechanisms to Closed Loop Intervention Devices"</i> Keynote Speaker: Dang Khoa Nguyen Associate Clinical Professor, Principal Scientist - University of Montreal Chair: Mohamad Sawan			
12:00-1:30 pm			<i>Poster Session 1: All Authors must stand by their posters from 12:45-1:30 pm</i>	Conference Lunch
1:30-3:00 pm	<i>Lecture Session 2: Biosensors and Biomedical Signals</i> Chairs: Michael Liebling, Kiyotaka Sasagawa	<i>Special Session 2: Sensors and Actuators for Animal Models</i> Chairs: Sylvain Martel, Benoit Gosselin		
3:00-3:30 pm			<i>Poster Session 1: All Authors must stand by their posters during the break</i>	Break
3:30-5:00 pm	<i>Lecture Session 3: Cognitive Computing and Deep Learning in Life Sciences</i> Chairs: Sameer Antani, Neilla Mezghani	<i>Special Session 3: Creating a Culture of Collaboration: Inspire, Innovate & Participate in Consensus Standards Development</i> Chair: Carole Carey		

5:00-6:30 pm	<p>Panel I: Health and Public Health Delivery Challenges and Ethics in the Information Age</p> <p>Panelists: Dr.Luis Kun - National Security Affairs Dr. Sameer Antani - IEEE Computer Society Carole Carey - IEEE Engineering in Medicine and Biology Society Dr. Nahum Gershon - MITRE Dr. Stefan Mozar - University of Technology - China</p>				
7:00-10:30 pm	<p>Conference Dinner to be held at "Le Windsor" 1170 rue Peel, Buteau 110</p>				

Tuesday, October 30, 2018 Schedule					
Rooms:	Ambassador C	Ambassador A	Foyer		Les Verrieres
8:00-5:00 pm				Registration is Open	
8:30-10:00 am	Lecture Session 4: Engineering for Life Sciences Chairs: Behnaz Ghoraani, Jennifer Christen	Special Session 4: Microfluidics for Biological Analysis Chairs: Steve Shih, Sara Mahshid	Poster Session 2: All Posters for the Tuesday Session must be hung by 10:00 am		
10:00-10:30 am			Poster Session 2: All Authors must stand by their posters during the break	Break	
10:30-11:00 am	<p style="text-align: center;">"Neuroprostheses to Improve Locomotor Control after Spinal Cord Injury"</p> <p style="text-align: center;">Keynote Speaker: Marina Martinez Assistant Professor, Faculty of Medicine, University of Montreal - Canada Chair: Carolyn McGregor</p>				
11:00-12:00 pm	<p style="text-align: center;">"CMOS Integrated Lab-on-Chip System for Personalized DNA Sequencing"</p> <p style="text-align: center;">Keynote Speaker: Hao Yu Professor, Southern University of Science Technology (SUSTech) Chair: Benoit Gosselin</p>				
12:00-1:30 pm			Poster Session 2: All Authors must stand by their posters from 12:45-1:30 pm		Conference Lunch
1:30-3:00 pm	Lecture Session 5: Wearable and Consumer Apps for Health and Wellness Chairs: Carolyn McGregor, Stefan Mozar	Special Session 5: EMG Sensing & Signal Processing Chairs: Erik Scheme, Benoit Gosselin			
3:00-3:30 pm			Poster Session 2: All Authors must stand by their posters during the break	Break	
3:30-5:00 pm	Lecture Session 6: Rehabilitation and Assistive Technologies Chairs: Bruce Wheeler, Marina Martinez	Special Session 6: Hybrid Microfluidic, Microelectronic and/or Microwave Technologies for Life Science Applications Chairs: Ebrahim Ghafar-Zadeh, Mohammad Zarifi			
5:00-6:30 pm	<p style="text-align: center;">Panel II: Life Science and its Implications for Society</p> <p style="text-align: center;">Panelists: Dr.Luis Kun - National Security Affairs Dr. Sameer Antani - IEEE Computer Society Dr. Stefan Mozar - University of Technology - China Dr. Amit Kumar Dr. Chris Lee</p>				
6:45-7:15 pm	Closing Ceremony and Awards				