		The CMBEC46	CESO 2024 schedule matrix and programs are under development and are	e subject to change. The schedule is current as of May 15, 2024. Please check the web	site regularly for updates.			
	CLINICAL ENGINEERING PROGRAM	INDUSTRY INNOVATION PROGRAM by ECRI	ACADEMIC PROGRAM	POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CONTINUING EDUCATION PROGRAM	CLINICAL ENGINEERING & CONTINUING EDUCATION	LOCAL HOSPITAL TO
	Mandarin Ballroom A Lower level 2	Mandarin Ballroom B Lower level 2	Denver Room 26th Floor	Ottawa Room Mezzanine Level	Toronto/Victoria/Vancouver Rooms 2nd Floor	Shanghai Room 25th Floor	Seattle Room 26th Floor	
AM - 8:30 AM	Registration Light Breakfast Sponsored by:							
	2024 Conference Chair: M							
AM - 10:00 AM	Keynote 1: Generative Al in Speaker: Dr. Bo Wa Sponsored by							
00 AM - 10:20 AM					Refreshment Break (served in Tradeshow)			
		B1: INDUSTRY INNOVATION			Japonisoreu by.			
0 AM - 12:00 PM	C1: CLINICAL ENGINEERING PROGRAM	PROGRAM Chair Ion Schmid	A1: ACADEMIC PROGRAM Chairs: Azadeh Yadollahi & Fatemeh Bagheri	P1: POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CE1: CONTINUING EDUCATION PROGRAM		
	Chair: Anthony Chan 10:20 - 10:40AM: CCE Certification Speakers: Kim Greenwood, Arif Subhan 10:40 - 12:00PM: Biomedical Engineering Technology in	Innovations in Medical Imaging and Diagnostic Technologies.	Sensors & Monitoring A1.1 Sound Level Within Transport Incubator During Use of Ambulance Siren Keely Gibb. Carleton University	P1.1 HOX Gene Signatures Predict Survival Outcomes of Glioblastoma Patients Yasin Mamatjan		The Evolution of Medical Device Integration – More Than Just Automated Vital Signs Charting		
	Canada Speakers: Anthony Chan, Dave Gretzinger, Carol Park, Rick Tidman, Roy Sharplin, Arif Subhan	(In person)	A1.2 Influence of Body Posture and Electrode Placement on the Measurement of	P1.2 Capillary Microfluidic Systems for Precise Microparticle Separation Mohsen Hassani, University of Calgary		Jennifer Jackson – Senior Director Business Development – Masimo		
	Homan, Roy Sharpiin, Arii Subhan		Electrocardiogram Using Textile Electrodes Delaram Sadatamin, University of Toronto A1.3 A Smart Recommender System to Stratify Heart Attack Risk	P1.3 HALO CT Phantom: Successful Implementation for Continuous Dose Monitoring Douglas McTaggart, University Health Network				
			Dr. Dilbar Salman, Thompson Rivers University A1.4 Upper Airway Resistance Measurement with Esophageal Catheter and	P1.4 Raman Microspectrometry and Machine Learning: Accelerated Bacterial Identification Jesse Levine, Carleton University				
			Oscillometry Shaghayegh Chavoshian, University of Toronto-University Health Network	P.1.5 Modeling Fibroblast Cells Movement Guilherme Contesini Dos Santos, Carleton University P.1.6 Experimental Investigations on Thermal Necrosis of Bone in Conventional and Torsional				
			A1.5 Synergizing Spectrotemporal Dynamics and Filterbank Common Spatial Pattern for Decoding Imagined Speech from EEG Behrad TaghiBeyglou, University of Toronto	Ultrasonic Drilling Khurshid Alam, Sultan Qaboos University				
				P1.7 The Synthesis and Biodegradability of Silver Nanoparticles Doped ZIF-8 Composites Injectable Hydrogel Weng Chi long				
				P1.8 The Adhesion Behaviour of Schwann Cells on PVA-based Hydrogel Substrates: Investigating Cellular Interactions for Nerve Regeneration Larisss Malenter Vskam Djomathous, UNSW Sydney				
				P1.9 Metabolic Reprogramming of Host Cells Induced by Cancer Cells: Implications for Premetastatic Niche Formation				
				Maryam Vatani, University of Calgary P1.10 Innovative Strategy for Quality Control of Preparing Molecularly Imprinted Polymer Riosensor				
				for Grail Fibrillary Acidic Protein Detection Mohammadreza Farrokhnia, University of Calgary				
				P.1.1 The Supraphysiological insulin Levels Amplify Pro-Inflammatory Response and Induce Apoptosis in Macrophages: An In Vitro Cell-Material Interaction Model Yari Zhang, Queen's University				
0 PM - 1:00 PM					Lunch (served in Tradeshow)		I	
					Sponsored by:			
PM- 2:10 PM	C2: CLINICAL ENGINEERING PROGRAM	Visit Trade Show & Posters	Visit Trade Show and Posters	P2: POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	Visit Trade Show and Posters		
	1:00 - 1:30PM: CESO AGM 1:30 - 2:10PM: Clinical Engineering Paper Presentation "1: Optimizing Preventive Maintenance Strategy at The Ottawa Hospital through the Application of Alternative	No Sessions: Please visit Trade Show	No Sessions: Please visit Trade Show	P2.1 Development and Assessment of a Wearable Biofeedback System to Elicit Gait Changes using Rhythmic Auditory Stimulation Alias Gouds, University of Toornto		No Sessions: Please visit Trade Show		
	Equipment Maintenance			P2.2 Effects of Sex and Footwear Stiffness on Lower Limb Running Biomechanics Vivian Nguyen, University of Calgary				
	Evolution of Clinical Engineering with the Growing Pressures on Healthcare and the Changing Landscape of Information, Communication and Automation Technology			P2.3 Lending a Hand: Improving the Ergonomics of the Colonoscope Marium Japanwala, Queen's University				
	1: Maryam Sangargir 2: Nima Esmailzadeh			P2.4 Developing an Avatar in Virtual Reality for Mental Health Treatment Amir Bani Saeed, University of Manitoba				
				P2.5 Predict Knee Kinematics During Stationary Cycling via Machine Learning Regression Models Atousa Parsaei, University of Calgary				
				P2.6 Exploring the Impact of In-House 3D Printing in Surgery – A Biomedical Engineer's Perspective Owynor Ferenzia, Sinai Health P2.7 Application of Quality Function Deployment for Design and Development of Artificial Muscle				
				Fabrication Device Birhanu Addis, Queen's University				
				P2.8 Precise Recognition and Prediction of COPD by CNN-LSTM Ying-shi Zhang				
				P.2.9 The Development of a Head and Neck Support Device for Children with Cerebral Palsy Hannah Cooke, Queen's University P.2.10 Pedaling Force Profile When Providing Assistive Torque				
				- 2.10 - Cooming Force Frome When Froming Assistive Torque				

		THE CHIDECOLO	CESO 2024 Schedule matrix and programs are under development and are	e subject to change. The schedule is current as of May 15, 2024. Please check the web	nte regularly for updates.			
	CLINICAL ENGINEERING PROGRAM	INDUSTRY INNOVATION PROGRAM by ECRI	ACADEMIC PROGRAM	POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CONTINUING EDUCATION PROGRAM	CLINICAL ENGINEERING & CONTINUING EDUCATION	LOCAL HOSPITAL TOUR
	Mandarin Ballroom A	Mandarin Ballroom B	Denver Room	Ottawa Room	Toronto/Victoria/Vancouver Rooms	Shanghai Room 25th Floor	Seattle Room	
	Lower level 2	Lower level 2	26th Floor	Mezzanine Level	2nd Floor	25th Floor	26th Floor	
20 PM - 3:20 PM	C3: CLINICAL ENGINEERING PROGRAM	B2: INDUSTRY INNOVATION	A2: ACADEMIC PROGRAM	P3: POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CE2: CONTINUING EDUCATION PROGRAM		
20 FM = 3.20 FM	Chair: Umalkhair Ahmed	PROGRAM Chair: Jon Schmid & Kent Brunen	Chairs: Azadeh Yadollahi & Fatemeh Bagheri	P3. POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CE2. CONTINUING EDUCATION PROGRAM		
	Incubator Vibration & Large Scale Patient Monitoring Implementation C3.1 Incubator Vibration	Innovations in Neuro Engineering & Brain-Computer Interfaces	Chairs: Azaden Yaddilani & Fatemen Bagnen	P3.1 A Machine Learning Based Algorithm to Determine Unloaded Geometry of the Breast Using MRI Image Data Xi Feng, Western University		Theranostics: Revolutionizing Personalized Medicine through Integrated Diagnostics and Therapy		
	Robert Langlois, Carleton University C3.2 Modern Healthcare: Integrating Patient Monitoring and Medical Devices Interoperability	Speaker: Fransisco Rodriuez-Campos (In person)		Au reng, vessem university P3.2 Electro-fabrication of Molecular Imprinted Polymer Biosensor: Efficient Approach to Achieve Reliable and Reproducible Biosensors Bahareh Bahamini, University of Calgary		Craig Shelley – Strategic Business Leader, Theranostics – GE HealthCare		
	Jean Ngoie, Children's Hospital of Eastern Ontario Rahim Chakri, Draeger Medical		Sleep Apnea + Drug Delivery	P3.3 Optimizing Storage Condition for Graphene@PEDOT: PSS-Carbon Screen-Printed Electrodes Seyedeh Zeinab Mousavisani, University of Calgary				
			A3.1 Statistical Analysis of Distribution-based Spectral Features of Low-Sampled Snoring Vibrations in Predicting Treatment Outcomes in Obstructive Sleep Apnea Behrad TagihlEgylou, University of Toxoto	P3.4 A Neural Learning-Based Approach for EOG Artifact Removal from EEG Fatemeh Bagheri, University of Toronto				
			A3.2 Sex-Stratified Analysis of Airway Collapsibility Among Individuals Undergoing Chronic Opioid Therapy	P3.5 A Smart Bill-wrapper: A Low-cost Phototherapy device for Low Resource Setting Williams Kwaku Bash, Rice University				
			Atousa Assadi, University of Toronto A3.3 Strategies to Load Curcumin into Poly(2-Hydroxyethyl Methacrylate)-based	P3.6 Understanding Covert Speech: Experiences with and Usability of Covert Speech for AAC Systems Sonia Bonar, Queen's University				
			Disks to Increase Controlled Release Time for Intraocular Lenses Christopher A. Rayner, Queen's University	P3.7 Raman Microspectroscopy and Machine Learning: A Perspective for Tissue Remodelling				
			A3.4 Examining the Effect of Supraphysiological Insulin in an In Vitro Insulin Infusion Cannula Host Response Model Grace Riddell, Queen's University	Characterization Natasha Kunchur, Carleton University P3.8 Evaluating the impact of biomaterials on modulating tumour-associated macrophages				
				Anosha Faregideli, Carletor University P3.9 Evaluation of cochlear implant trajectories relative to the basilar membrane				
				Ashley Micuda, Western University P3.10 The Role of Oxygen in ECM remodeling				
				Nadia Abzan, Carleton University				
20 PM - 3:35 PM					Refreshment Break (served in Tradeshow)			LOCAL HOSPITAL TOUR 3:15 PM - 4:30 PM
35 PM - 3:45 PM				ensition time	Sponsored by:	1		University Health Network
35 PM - 3:45 PM			Tra	insition time				Hyperbaric Chamber
45 PM - 4:45 PM	C4: CLINICAL ENGINEERING PROGRAM	B3: INDUSTRY INNOVATION PROGRAM	A3: ACADEMIC PROGRAM	P4: POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CE3: CONTINUING EDUCATION PROGRAM		Sign-up before May 3
	Chair: Bill Gentles	Chair: Jon Schmid & Kent Brunen	Chairs: Jan Andrysek & Aliaa Gouda			Chair:		
	Technical Problem Solving by BMET/CE	The Art of the Possible-3D Printing in Healthcare Speakers: Jason Stock and Mark Gillingham	Prosthetics & Orthotics A2.1 Examining the Integration of Digital Technology for Ankle-Foot Orthosis Registration and Quantitative Shape Comparison Connor Mettor, University of Toronto	Self-directed viewing		Al's Impact on Healthcare		
	Speaker: Kamallesh Canjimavadivel	Gilling and	A2.2 Preliminary Characterization of Rectification for Three-quarter Transradial Prosthetic Sockets Clavin Ngan, University of Toronto			Dan Zikovitz – Director of Digital Innovation & AI – GE HealthCare		
			A2.3 Creation of a Smart Template Library for Digital Transradial Prosthetic Socket Design					
			Vishal Pendse, University of Toronto A2.4 3D Printing Method for Upper-Limb Diagnostic Sockets: A Technical Note Katrina Meng, University of Toronto					
45 PM - 6:30 PM			Resine weing, University of Loronto	Transition time				
45 PM = 6:30 PM				Transition time				
30 PM - 9:30 PM				Awards Gala Dinner & Banquet: Toronto Harbour Boat Cruise Sponsored by:				

		The CMBEC46	The CMBEC46 CESO 2024 schedule matrix and programs are under development and are subject to change. The schedule is current as of May 15, 2024. Please check the website regularly for updates.					
	CLINICAL ENGINEERING PROGRAM Mandarin Baliroom A Lower level 2	INDUSTRY INNOVATION PROGRAM by ECRI Mandarin Ballroom B Lower level 2	ACADEMIC PROGRAM Denver Room 28th Floor	POSTER PRESENTATIONS Ottawa Room Mezzanine Level	MEDICAL DEVICE TRADE SHOW Toronto/Victoria/Vancouver Rooms 2nd Floor	CONTINUING EDUCATION PROGRAM Shanghai Room 25th Floor	CLINICAL ENGINEERING & CONTINUING EDUCATION Seattle Room 26th Floor	LOCAL HOSPITAL TOUR
7:30 AM - 8:30 AM	Registration Light Breakfast Sponsored by: Space	etabs						
8:30 AM - 8:40 AM	Welcoming Remarks (Manda 2024 Conference Chair: M	arin Ballroom)						
8:40 AM - 10:00 AM	Keynote 2: Precision Child Health Speaker: Dr. Ronald Cohn Sponsored by:							
10:00 AM - 10:30 AM					Refreshment Break (served in Tradeshow) Sponsored by:			
10:30 AM - 10:40 AM				Transition time	оринической.	"		
				Hanstron unie				
10:40 AM - 12:00 PM	C5: CLINICAL ENGINEERING PROGRAM Chair: Andia Toomari	B4: INDUSTRY INNOVATION PROGRAM Chair: Jon Schmid & Kent Brunen	A4: ACADEMIC PROGRAM	P5: POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CE4: CONTINUING EDUCATION PROGRAM	CE13: CONTINUING EDUCATION PROGRAM	
	Chair: Andia Ioomari Clinical Engineers Papers Presentations C5.1 Improving Bed Repair Turn Around Time through Parts Management Emily Rudderham	Wearable Health Technologies: Monitoring, Wellness, and Fitness Speakers: Priyanka Shah (Virtual) and	Chairs: Jan Andrysek & Sebastian Silva Biomechanics A4.1 Evaluating Silps on Icy Surfaces: A Data Collection Protocol Davood Dakthah, University of Toronto	P3.1 A Machine Learning Based Algorithm to Determine Unloaded Geometry of the Breast Using MRI Imago Data Xi Feng, Western University		Chair: Building and Leveraging a Connected Ecosystem for Improved Clinical Communication, Workflow, and Data Insights	Cybersecurity in Healthcare: Fundamentals and Role of CE Professionals	
	Emity Rudderham C5.2 Improving BME Support by Remotely Locating Third Party Systems in Catheterization and Electrophysiology Labs	Jillian Hillman (In person)	A4.2 Predicting Hip Kinematics during Cycling Task with CNN Reza Ahmadi, University of Calgary A4.3 Effect of Co-contraction and Muscle Strength on Muscle-tendon Dynamics	P3.2 Electro-fabrication of Molecular Imprinted Polymer Biosensor: Efficient Approach to Achieve Reliable and Reproducible Biosensors Baharén Babanini, University of Cagary P3.3 Optimizing Storage Condition for Graphene@PEDOT: PSS-Carbon Screen-Printed Electrodes				
	Sarah Deschamps, University of Ottawa Heart Institute C5.3 Remote Biomedical Services Support Program		Banin Mohsin Al-Shimari, University of Calgary A4.4 Integrating Biomechanics and Probability: A Novel Framework for Helmet	Seyedeh Zeinab Mousavisani, University of Calgary P3.4 A Neural Learning-Based Approach for EOG Artifact Removal from EEG		Rich Mayoras – Director of Connected Solutions – Stryker	Kajeevan Rajanayagam Director of Cybersecurity, UHN	
	Seyedeh Aida Razavi CS.4 Optimizing Biomedical Engineering Test Equipment Inspection Frequencies	Note: Virtually enabled session	Impact Evaluation in Sports Injury Reza Deabae, University of Calgary A4.5 Wearable microfluidic biosensor for real-time cortisol monitoring: sweat	Fattenen Bagheri, Univerzity of Toronto P3.5 A Smart Bill-wapper: A Low-cost Phototherapy device for Low Resource Setting Williams Kwaku Bash, Rice Univerzity				
	Sara MacGillivray C5.5 Canadian Biomedical Technologists: Exploring Gender Diversity to Build Inclusivity		biomarker monitoring Fereshteh Vajhadin, University of Calgary	P3.6 Understanding Covert Speech: Experiences with and Usability of Covert Speech for AAC Systems Sonia Bonar, Queen's University				
	Sonia Pinkney, University Health Network C5.6 Women in Science and Engineering: The Importance			P3.7 Raman Microspectroscopy and Machine Learning: A Perspective for Tissue Remodelling Characterization Natasha Kunchur, Carleton University				
	of Visibility Dr. Monique Frize			Pas. Evaluating the impact of biomaterials on modulating tumour-associated macrophages Arosahs Fareghdeli, Carleton University				
				P3.9 Evaluation of cochlear implant trajectories relative to the basilar membrane Ashley Micuda, Westem University				
				P3.10 The Role of Oxygen in ECM remodeling Nadia Abzan, Carleton University				
12:00 PM - 1:00 PM					Lunch (served in Tradeshow)			LOCAL HOSPITAL TOUR
					Sponsored by:			12:45 PM - 2:00 PM
12:30 PM - 2:10 PM	CMBES AGM 12:30 PM - 2:10 PM: CMRES AGM							Sponsored by: KITE Research
		Visit Trade Show & Posters	Visit Trade Show and Posters	P6: POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	Visit Trade Show and Posters		NIE Nesearch Institute
		No Sessions: Please visit Trade Show	No Sessions: Please visit Trade Show	P1.1 HOA Gene Signatures Predict Survival Outcomes of Globiastoma Patients Yasin Mamatjan		No Sessions: Please visit Trade Show		
				P1.2 Capillary Microfluidic Systems for Procise Microparticle Separation Mohsen Hassani, University of Calgary P1.3 HALO GT Phantom: Successful Implementation for Continuous Dose Monitoring	Free tradeshow pass			Sign-up before May 3
				Douglas McTaggart, University Health Network P1.4 Raman Microspectrometry and Machine Learning: Accelerated Bacterial Identification				
				Jesse Levine, Carleton University				
2:10 PM - 2:20 PM				Transition time				

	CLINICAL ENGINEERING PROGRAM	INDUSTRY INNOVATION PROGRAM by ECRI	ACADEMIC PROGRAM	POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CONTINUING EDUCATION PROGRAM	CLINICAL ENGINEERING & CONTINUING EDUCATION	LOCAL HOSPITAL TOL
	Mandarin Ballroom A Lower level 2	Mandarin Ballroom B Lower level 2	Denver Room 26th Floor	Ottawa Room Mezzanine Level	Toronto/Victoria/Vancouver Rooms 2nd Floor	Shanghai Room 25th Floor	Seattle Room 26th Floor	
3:20 PM	C6: CLINICAL ENGINEERING PROGRAM Chair: Adeel Alam	B5: INDUSTRY INNOVATION PROGRAM	A5: ACADEMIC PROGRAM Chair: Azadeh Yadollahi	P7: POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CE5 CONTINUING EDUCATION PROGRAM	CE14 CONTINUING EDUCATION PROGRAM	LOCAL HOSPITAL TO 2:15 PM = 3:30 PI
3:20 PM	Right to Repair. CMBES Work Over on The Past Year, CMBPP and Right to Repair C. Reshorough on Bill C-1244C-284, Ted Selling and Right to Repair Research with a C&A4. Speakers: Murray Rice, T.J Javis and Dr. Anthony Robotough (Virtual) Robotough (Virtual) Robotough (Virtual) Robotough (Virtual)	Telehanih and Rennols Monitoring: The Future of Healthcare Delivery Virtual and Automatical Programme (Inc.) Speakers: Priparks Shah (Virtual) and Jillian Hillman (In person) Note: Virtually anabled session		P.2.1 Development and Assessment of a Wearable Biofeedback System to Elicit Galt Changes using Ritybrine: Auditor's Simulation Alias Goods, University of Toronto Alias Goods, University of Toronto P.2.2 Effects of Sea and Foothers Siffness on Lower Limb Running Biomechanics Vivian Rayen, University of Calgary P.2.2 Endient of Sea and Foothers Siffness on Lower Limb Running Biomechanics Vivian Rayen, University of Calgary P.2.2 Lording In And Improving the Ergonomics of the Colonoscope Marium Japanesia, Queen's University of Calgary P.2.2 Developing in Auditor Investigation of P.2.2 Provicing November Investigation of P.2.2 Provicing November Investigation (P.2.2 Provicing November Investigation Calgary P.2.2 Exploring the Impact of Invitions 20 Printing in Surgery – A Biomedical Engineer's Perspective Owynn Forreris, Isna Health P.2.7 Application of Quality Function Deployment for Design and Development of Artificial Muscle Barbication Device Invitersity P.2.2 Provices Recognition and Predection of COPD by CNN-LSTM Ying-shi Zhang P.2.2 Provices Recognition and Predection of COPD by CNN-LSTM Ying-shi Zhang P.2.1 Provicing Recognition and Predection of COPD by CNN-LSTM Ying-shi Zhang P.2.2 Lo Packing Footh Provision Assistive Torque Scynd Hamidresa Holday, University of Calgary	Free tradeshow pass	Healthcar's unique medical device cybersecurity challenges: What you need to know Presenter: Steve Trevino	Alarm Management - A Clinical Perspective and Lessons Learned Nely Amanal - Senior Director, Nursing Practice & Clinical Quality and Magnet Program Director - Siral Health	University Health Ne Healthcare Human F
PM = 3:35 PM					Refreshment Break			Sign-up before Mar
					(served in Tradeshow) Sponsored by:			
PM - 3:45 PM				Transition time				
PM - 5:05 PM	C7: CLINICAL ENGINEERING PROGRAM	B6: INDUSTRY INNOVATION PROGRAM	A6: ACADEMIC PROGRAM	P8-POSTER PRESENTATIONS	MEDICAL DEVICE TRADE SHOW	CE6: CONTINUING EDUCATION PROGRAM	CE15: CONTINUING EDUCATION PROGRAM	
PM - 5:06 PM	Chair. Adeel Alam (Right to Repair. A working session to collaboratively of Right to Repair. A working session to collaboratively of the Right to Repair (Right to Repair (Right to Right to Rig	Chair Jos Schmid Digital Health Ecosystems: Intercoparability and Data Security Speaker: Chad Walters (is Person)	Chairs: Azadeh Yasidaha & Aloxaa Assasi Sisep Agensa As. 1 Peotoperative Opioid Induced Respiratory Depression: Who Are at the Greatest Risk? As. 1 Peotoperative Opioid Induced Respiratory Depression: Who Are at the Greatest Risk? Aloxammad Goudana Rad, University of Toronto-University Health Network As. 2 Detecting Ageness and Hypoponess During Sleep by Measuring Heart Rate Changes and Assessing Out-of-Sample Performance As. 3 A Soogning Review of Current Methodolologies of Measuring Cardiopulmonary Coupling and their Initiations in Sleep Apensa Detection Shapharppic Charuchine, University of Toronto Ad. 3 A Experimental Investigation on the Effect of Airflow on the Sound Generated in a Simplified Tube with a Constriction Representing Traches for Obstructive Sleep Apensa Diagnesis Diring Walachiness Valuel Assired Bouring Walachiness Ad. 5 Assessing the Impact of Asthman on Cardiopulmonary Metrics in Patients with Obstructive Sleep Apens Shapilayvagin Charuchines, University of Toronto	Self-directed viewing		Medical Imaging Journey - An Inside Story Presenter: Ravindra Anand	Medical Device Integration — Streaming Clinical Patient Care Management Casheen Olgum, Casheen Olgum, Casheen Olgum, Casheen Chinical Integration and Insights Enterprise Informatics, Phillips Chris Richard, Solutions Consultant – Clinical Integration and Insights	
PM - 5:10 PM				Transition time				

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	CLINICAL ENGINEERING PROGRAM Mandarin Ballroom A Lower level 2	INDUSTRY INNOVATION PROGRAM by ECRI Mandarin Ballroom B Lower level 2	ACADEMIC PROGRAM Denver Room 28th Floor	POSTER PRESENTATIONS Ottawa Room Mezzanine Level	MEDICAL DEVICE TRADE SHOW Toronto Victoria Vancouver Rooms 2nd Floor	CONTINUING EDUCATION PROGRAM Shanghai Room 25th Floor	CLINICAL ENGINEERING & CONTINUING EDUCATION Seattle Room 28th Floor	LOCAL HOSPITAL TO
80 AM - 8:30 AM	Registration Light Breakfast							
0 AM - 8:40 AM	Welcoming Remarks (Manda 2024 Conference Chair: M	rin Ballroom) furat Firat						
) AM - 10:00 AM	Keynote 3: The drive to encourage	e Women in STEM.	A7: ACADEMIC PROGRAM Chair: Azadeh Yadollahi & Aliaa Gouda	l .		CE7: CONTINUING EDUCATION PROGRAM	CE16: CONTINUING EDUCATION PROGRAM	
	Sponsored by: Speaker. Rosilyn Bern, Leacross Foundation in partnership with PAIBE		Chair Azachi Yadalah & Alka Gooda Bloomateriak & Dipular Technology A7.1 3D Printing for Blomedical Technologists: An Ounce of Prevention is Worth a Pound of Cure Lamy Coline. University Health Nethods. A7.2 in Wire Screening of Inflammatory Responses to Polypropylene-based Surgical Mesh Used in the Treatment of Polytic Organ Prolapse Prolifer Agental Course Livinesity. A7.3 Symbels of Bacteriostatic Materials from Quaternary Ammonium Salts Kara Nacha Palana. Scool of Biomedical Engineering. Western University A7.4 SAM Zero-Shord Detection of Vertebral Surfaces from Freehand 3D Ultrasound: SAM ZED Detection Of Vertebral Surfaces from Freehand 3D Ultrasound: SAM ZED Detection Of Vertebral Surfaces from Freehand 3D Ultrasound: SAM ZED Detection Of Vertebral Surfaces from Freehand 3D Ultrasound: SAM ZED Detection Of Vertebral Surfaces from Freehand 3D Ultrasound: SAM ZED Detection Medicing of an Uncodied Occibes Using Synchrotron Radiation- Phase Contrast Imaging Naturana Stationaria, School of Biomedical Engineering, Western University			Incident Investigation Andrew bey, Manager of Biomedical Engineering (D4EC) Colleen Turpin, 80 BSH, M Ed. Problem Raport Information Specialist Problem Raport Information Specialist Effectiveness Pricemation Bureau Health Canada MHPD	Imaging Technology - Ultrasound Probes Workshop Taylor Ballie, General Manager-Keir Surgical	
00 AM - 10:15 AM	Refreshment Break (served at Ma	andarin rm. Foyer)						
	Sponsored by:			Transition time				
15 AM - 10:25 AM 25 AM - 11:45 AM	C8: CLINICAL ENGINEERING PROGRAM	B7: INDUSTRY INNOVATION	A6: ACADEMIC PROGRAM	Transition time POSTER PRESENTATIONS	TRADE SHOW - CLOSED	CES: CONTINUING EDUCATION PROGRAM	C9: CLINICAL ENGINEERING PROGRAM	LOCAL HOSPITAL TO
45 AM - 1200 PM 00 PM - 130 PM	Chair Andrew Cheung Peer Review and Outrach Speakers: Jean Ngole, Bill Gendes & Martin Poulin Lunchion Satisk Woman-in-Stem Rouse In partnership with IF Peer Peer Peer Peer Peer Peer Peer Peer	Ohair John Schmid From Base Pals to Personalized Care Does Precision Medicine Improve Patient Outcome Matthew Manus Share (virtual) Valjayalakshmi lyer (in-person) Note: Virtually enabled session Note: Virtually enabled session To Tabob MBE International MBE In	Chair - Jan Androvak & Aloccas Assasi: Machine Lasming and Authoriatic Speech Recognition Model for a Canadian Indigenous Counselling Program Emmanuel Clavyanu, Johnston of Manibos A2 Time Domain Clavianu, Johnston of Manibos A3 Time Domain Clavianus of Manibos A3 Time Domain Clavianus of Manibos A3 Desp Learning for The Chronic Obstructive Pulmonary Disease Assessment units Lung CT Indianal Aliculpin, Western University BA4 Time Domain Aliculpin, Western University BA4 Time Despripheade Breast Abnormality Detection using Slamese Network Anibla Dey, Carleton University BA4 Fractional Fourier Time Frequency Representation for Heart Sound Classification Ethabirm A. Netasy, Carleton University	Self-directed viewing Transition time		Bibagoine for health: Understanding the Basics of 30 Printing in Surgical Scenarios Composition of the Composition of the Composition of the Composition of the ET-Smail Health Codinguese 30 Printing Solutions: Codinguese	Chair febra Al-Tahir Chinical Engineers Papers Presentations C3.1 Essential elements of a modern Clinical Engineering Internahipo: Clatwa-Catelon Institute for Biomedical Engineering Andrew Boy, Claterin-Hospital of Eastern Ontatio Andrew Boy, Claterin-Hospital of Eastern Ontatio Catelon Engineering Continued Engineering Workfore A. Canadian & Arif Subhan & Anthony Chan Catelon Considerations in Biomedical Engineering Nicholas Jenne C3.3 Applications of DD Printing in Healthcare- Challenges and Considerations in Biomedical Engineering Internahips Conducted in Biomedical Engineering Internahips Conducted in Biomedical Engineering Departments in Heaptala Soath Generic, Carlotto University C5.8 An Updata on the Development of Cylorasceurity Practices for Biomedical Engineering Fundamina Printing C6.1 Developing Future in Notuce Radiology Service Technologists Emily Rose, Lover Mainland Biomedical Engineering	Mount Sinal Hosp Sign-up before Mi
40 PM = 3:00 PM	C10: CLINICAL ENGINEERING PROGRAM		A9- ACADEMIC PROGRAM	POSTERS - CI OSED (tear (fown)	TRADE SHOW - CLOSED	CE9: CONTINUING EDUCATION PROGRAM		LOCAL HOSPITAL TO
чи гиі - 3300 РМ	Chair Beck ViQ Clinical Engineers Rapers Presentations Cit.1 Beat and Final Offer (BAFO) Procument of Clinical Medical Equipment Andra Tomans, The Hospital for Sick Children Cit.2 Practices Ceptals Equipment Replacement Planning through Equipment Life Cycle Management Unsalhari Ahmed. The Hospital for Sick Children		Chair: Jan Andrysek & Schastian Shina Cancer, Cell & Tissue Engineering, and Other A4. 5 Development and Initial Evaluation of Noval Tourniquet Apparatus for Improved Safety Through Optimization of Tourniquet Inflation Time Matthew Yes, Western Clinical Engineering A8.2 Semi-Automation Of The IK-8F Proliferative Index Quantification Method In Breast Cancer Keeps Parents, Federal University of Paraná	COSTERNO - CLUDED (ISSE COMIT)	TRANSCOMM * LLUSED	CE: CONTINUING EDUCATION PROGRAM Mechanical Ventilation from a Clinical Perspective Michael Long - Charge Respiratory Therapist UHN		2:45 PM - 4:00 PM
	210.3 Development of a Methodology for Imaging Equipment Replacement Prioritization Rebecca Austman, Winnipeg Regional Health Authority		A9.3 Gold Nanoparticles Loaded with Cannabinoids for Targeted Cancer Therapy Anhuman Jakhmola, Department of Physics, Toronto Metropolitan University					SickKids Hospita
	C10.4 Projementation and Maintenance of a Smart Bed Syle Bockly Ng, Sim Secondary Alerting for Patient Monitoring Becky Ng, Sinal Health		AB. Combining Morphological and Testural Features to Characterize Mitochondrial Structure (Asserting Computer Engineering, Carleton University). AB.3 Breaking Down Silos: Engineering Team Drop-in Sessions Alice Casayanne Cesconetis, Lower Maintain Biomedical Engineering					Sign-up before May
00 PM - 3:10 PM				Transition time				