

**CLINICAL  
ENGINEERING  
SOCIETY  
OF  
ONTARIO**

**C E S O  
C O N F E R E N C E**

**St. Michael's Hospital  
Toronto, ON  
October 30 - 31, 2003**

# CESO 2003

[THURSDAY]  
October 30, 2003

**LOCATION :** Paul Marshall Lecture Theatre @ Queen wing ground floor, St. Michael's Hospital (Use Queen Street Entrance)

## **SCHEDULE :**

<b>08:00 – 09:10</b>	<b>Registration and Breakfast</b>
<b>09:15 – 10:30</b>	<b>Facilities development</b>
<b>10:30 – 10:50</b>	<b>Break</b>
<b>10:50 – 12:15</b>	<b>Facilities development (continue)</b>
<b>12:15 – 13:00</b>	<b>Lunch (Lunch will be served by CESO)</b>
<b>13:00 – 14:30</b>	<b>Patient Risk</b>
<b>14:30 – 14:50</b>	<b>Break</b>
<b>14:50 – 16:00</b>	<b>Patient Risk (continue)</b>

## **A M SESSIONS : Facilities Development**

### **PRESENTERS:**

**Tony Easty**, Director, Medical Engineering, University Health Network; Assistant Professor, University of Toronto

**Nick Joosten**, Project Manager, Facilities Development, University Health Network

**John Leung**, Manager, Medical Engineering, University Health Network

**Murray Rice**, Manager, Medical Engineering, University Health Network

The presenters will provide a detailed description of their recent experiences in helping to design and commission the technical infrastructure of the newly opened Clinical Services Building at Toronto General Hospital. This facility houses 19 new operating rooms, a Medical Imaging floor, two Cardiac monitoring floors, and is now being expanded to house a Transplant Centre with a combined Medical/Surgical ICU and acute care unit.

Key areas of focus will be technology infrastructure and medical equipment planning. A structured approach will be described that covers timing, budgeting, equipment planning, contingency planning, interaction of complex technologies, keeping the project on track, and commissioning. The presenters hope that their recent experiences will be of benefit to anyone who is now involved in or planning a facility redevelopment project at a health facility.

## **P M SESSIONS : Patient Risk**

### **PRESENTERS:**

**Mary Vearncombe MD, FRCPC** is a Medical Microbiologist and Hospital Epidemiologist at Sunnybrook & Women's College Health Sciences Centre. Presentation title: "SARS: The Toronto and Sunnybrook & Women's Experience."

**Tim Buckley**, Lawyer, partner of BLG Canada

**Laura Lin Gosbee, M.A.Sc.**, Human Factors Engineer at Northrop Gruman Co.

In this day and age we, in the healthcare industry, not only have to concentrate on how to cure the patient but how to reduce the risk to that patient while under our care. With resources stretched to the limits this can be a very difficult task. However, if we don't pay attention to these risks our resources may be directed towards legal fees in defense of our actions or non-actions.

This seminar will include presentations from the world of industrial engineering and human factors, a perspective on SARS and what we need to do to protect ourselves in the future, as well as legal perspectives on patient risk. Each of the speakers will present views from their professions on how to reduce or eliminate risks to both patients and staff in a healthcare setting.

# C E S O 2 0 0 3

[FRIDAY]

October 31, 2003

**LOCATION :** Paul Marshall Lecture Theatre @ Queen wing ground floor, St. Michael's Hospital (Use Queen Street Entrance)

## **SCHEDULE :**

<b>08:00 – 09:10</b>	<b>Registration and Breakfast (Sponsored by XRCT )</b>
<b>09:15 – 10:30</b>	<b>IT Baseline Knowledge for the Biomedical Professional</b>
<b>10:30 – 10:50</b>	<b>Break</b>
<b>10:50 – 12:15</b>	<b>IT Baseline Knowledge for the Biomedical Professional -(continue)</b>
<b>12:15 – 13:00</b>	<b>Lunch (Sponsored by GE Medical Systems)</b>
<b>13:00 – 14:30</b>	<b>Calibrating Medical Video Displays</b>
<b>14:30 – 14:50</b>	<b>Break</b>
<b>14:50 – 16:00</b>	<b>Calibrating Medical Video Displays -(continue)</b>

## **A M S E S S I O N S : IT Baseline Knowledge for the Biomedical Professional**

### **PRESENTER:**

**Jeff Kabachinski**, Multi-Vendor Services - Manager, Technical Training Programs, GE Medical Systems

Join Biomedical Information & Technology columnist and IT pundit, Jeff Kabachinski, for an informative discussion about the flood of IT developments in health care. Jeff will provide tips on how to stay on top of these changes, and perspectives on IT issues that range from network routing techniques to simply understanding the latest acronym.

## **P M S E S S I O N S : Calibrating Medical Video Displays**

**PRESENTER: Scott Reardon**, Sencore Electronics

The display is one of the most important components in a medical imaging system. Often the operator makes critical decisions based upon what is being viewed on a display. In order for the display to accurately reproduce a video image, it must be calibrated with specialized test equipment. This course will provide an overview of how a video display produces an image in both the surgical video and imaging modalities. It covers how to apply test signals to the display and make the proper adjustments to accurately reproduce an electronic image. A demonstration of calibrating a video display using a video generator and color analyzer will be given (including a special demonstration of how to calibrate and imaging workstation to DICOM grayscale/gamma specifications). The following topics will be discussed and demonstrated:

- Technology review of color and light.
- Technology review of how a display creates images.
- Demonstrations of problems that occur with a misadjusted display.
- How a color analyzer measures light and color.
- Using a color analyzer to adjust a display to different applicable standards.
- Demonstration of a white balance adjustment using color temperature.
- How to document a calibration for record keeping.

# CESO 2003

[HOW TO GET THERE]

## Where to find St. Michael's Hospital

30 Bond Street (at Queen Street)  
Toronto, Ontario M5B 1W8  
Tel: (416) 360-4000

### **PLEASE USE: QUEEN STREET ENTRANCE**

St. Michael's Hospital is located between Queen Street and Shuter Street, a block and a half east of Yonge Street.

#### **Highway Access**

*From Gardiner Expressway*

- Exit at Jarvis Street
- Go north to Queen Street
- Then, west to Bond Street

*From Don Valley*

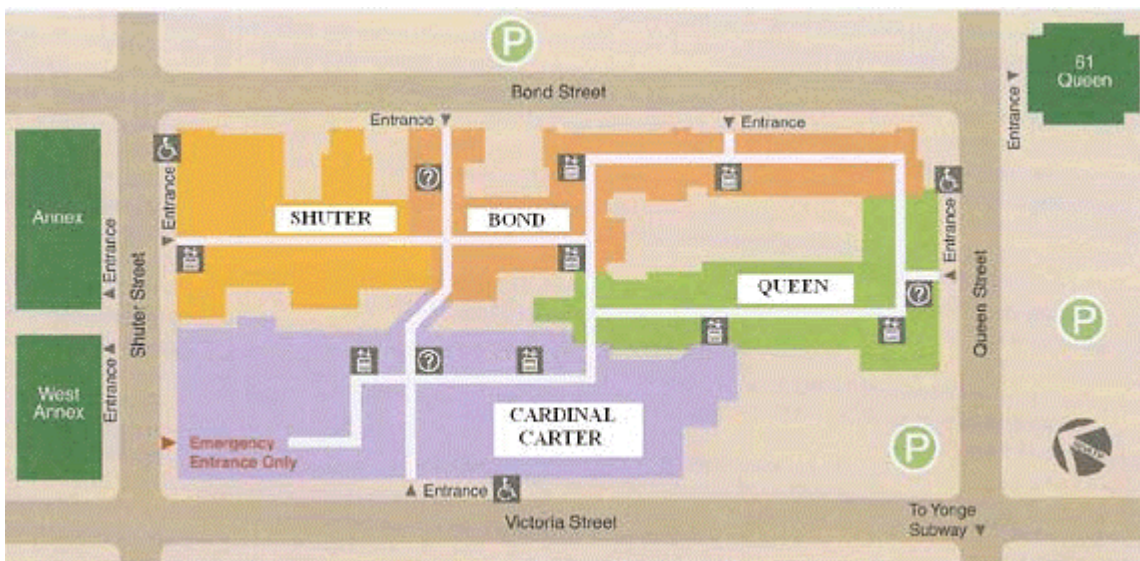
- Exit at Richmond Street
- Go west to Church Street
- Then north to Queen Street
- Then west to Bond Street

*TCC Access*

- Exit the Yonge subway at Queen Street
- Then either:
  - take the Queen Streetcar one stop east or;
  - walk one block east on Queen Street to the Queen entrance.

#### **Parking**

There is indoor parking directly across Queen Street and an outdoor parking lot directly across from the hospital on Bond Street. These lots are not operated or owned by St. Michael's Hospital and require payment for parking.



# C E S O 2 0 0 3

St. Michael's Hospital  
Toronto, ON  
October 30 & 31, 2003

## Registration Form

Name		Job/Title
Department		Organization
Address		
City	Province	Postal Code
Phone	Fax	E-mail

**Payment required in Advance. REGISTRATION DEADLINE IS EXTENDED TO October 25, 2003**

- ➔ **Registration fee** (\$75.00/day, \$40.00/half day)
- ➔ **Students** (\$10.00/day)

**Lunch is included in the registration fee**

Please register me for the following sessions

DATE	SESSIONS	Amount (\$)
October 30, 2003	<input type="checkbox"/> a.m. session, <input type="checkbox"/> p.m. session (Half day: \$40.-, Full day: \$75.-)	
October 31, 2003	<input type="checkbox"/> a.m. session, <input type="checkbox"/> p.m. session (Half day: \$40.-, Full day: \$75.-)	
<b>TOTAL</b>		

(Please make cheques payable to **CESO**)

**Please send registration and payment to:**

Murat Firat  
Sunnybrook & Women's College HSC  
Biomedical Engineering Department  
Room#: DG-24  
2075 Bayview Ave., Toronto  
ON M4N 3M5  
e-mail: murat.firat@sw.ca  
Fax: 416-480-6866  
Voice: 416-480-6100 x2674

# CESO 2003

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*CESO would like to thank the following for their support:*



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