



**Canadian Medical and Biological Engineering Society, Inc.  
La Société canadienne de génie biomédical, Inc.**

*Affiliated with the International Federation for Medical and Biological Engineering*

## CALL FOR PAPERS

### CONFERENCE ORGANIZING COMMITTEE

**CONFERENCE CHAIR**  
DONALD RUSSELL  
[drussell@mae.carleton.ca](mailto:drussell@mae.carleton.ca)

**ACADEMIC CO-CHAIRS**  
ADRIAN CHAN  
[adcchan@sce.carleton.ca](mailto:adcchan@sce.carleton.ca)  
W. ROBERT J. FUNNELL  
[robert.funnell@mcgill.ca](mailto:robert.funnell@mcgill.ca)

**CLINICAL ENGINEERING**  
BILL GENTLES  
[billgentles@sympatico.ca](mailto:billgentles@sympatico.ca)

**CONTINUING EDUCATION**  
MURAT FIRAT  
[murat.firat@uhn.on.ca](mailto:murat.firat@uhn.on.ca)

**EXHIBITS**  
MICHAEL CAPUANO  
[capuamik@hhsc.ca](mailto:capuamik@hhsc.ca)

**FINANCE**  
TIMOTHY J. ZAKUTNEY  
[tzakutney@ottawaheart.ca](mailto:tzakutney@ottawaheart.ca)

**SECRETARIAT**  
FLEURETTE OLIVE  
[cmbes@magma.ca](mailto:cmbes@magma.ca)

Tel: 613-837-8649  
Fax: 613-837-6480

**MAILING ADDRESS**  
PO Box 51023  
Orléans, ON K1E 3W4  
[www.cmbes.ca](http://www.cmbes.ca)

### 28TH CANADIAN MEDICAL AND BIOLOGICAL ENGINEERING CONFERENCE SEPTEMBER 9-11, 2004 - DELTA HOTEL QUÉBEC

CMBEC28 is the premier event for biomedical engineering professionals in Canada. It offers a national forum for information exchange amongst researchers and clinicians working in medical and biomedical engineering. The theme in 2004 is *Cardiovascular Engineering*. CMBEC28 will be run in parallel with a two-day Interventional Cardiology and Engineering Symposium. These parallel events will bring together physicians, engineers, scientists, technicians and technologists with the objective of improving communication among health care professionals through the presentation and discussion of new research.

Québec City is one of the country's most popular visitor destinations. Conference events, such as meetings, courses, exhibits, and technical sessions, as well as accommodations for the conference will be at the Delta Hotel, which is located in the heart of *Le Vieux-Québec*. See [www.old-quebec.com](http://www.old-quebec.com) for tourist information. The conference will open with Plenary Sessions, followed by concurrent streams of scientific and technical papers that will be presented over a three-day period.

Scientific and Technical Papers and Posters are invited from biomedical engineers, technologists, technicians, medical physicists, clinicians and other researchers for inclusion in the scientific and technical program. Students are also encouraged to participate in this exchange of scientific information. CMBES Student Members are eligible to compete in the Student Paper Competition.

**Scientific and Technical Contributions are welcome in the following areas:**

Bioinformatics, Medical Informatics and Telehealth  
Biomaterials  
Biomechanics  
Biomedical Imaging and Image Processing  
Biosignal Processing and Biosystem Modeling  
Cardiovascular and Pulmonary Systems  
Clinical Engineering  
Ethics and Regulations  
Human Performance Engineering  
Neural and Rehabilitation Engineering  
Prosthetic Devices and Artificial Organs  
Sensors and Instrumentation  
Tissue and Cellular Engineering

**Cardiology Symposium:** The two-day Cardiology Symposium will discuss stent design, catheter design, balloon design, biomechanics, vulnerable plaque, numerical modeling, smart devices, animal investigations and human trials.

**Exhibits:** The Delta Hotel has excellent facilities for exhibits. Manufacturers of medical devices, instrumentation and technology are invited to showcase the latest emerging innovations and equipment. In addition, private sector service providers and regulatory bodies are invited to present the most recent developments in health care management, safety standards and regulations.

**Continuing Education Program:** As in previous years, a series of instructional courses will be run in parallel with the conference. Courses geared towards the needs of biomedical professionals will be offered on a variety of topics. A list of courses will be posted on the CMBES Web site.

**Submissions:** To assist the Organizing Committee with the development of the Preliminary Program, authors are asked to send a brief abstract (250 words) by e-mail prior to submission of their final paper. All final papers must be two to four pages in length, written in English or French; all papers will be subject to a critical review process. The format for the final paper must follow specific guidelines, which are posted on the CMBES Web site.

### IMPORTANT DATES

**E-mail abstract submission – 31 March 2004**  
**Final Paper submission – 30 April 2004**