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**The Inaugural Awarding of the  
Robert L. Clarke Graduate Scholarship  
in Medical Physics**



**February 13, 2009**

**3:45 p.m.**

**Dunton Tower 2017**

**Carleton University**

**Ottawa, Canada**

Department of Physics, Carleton University  
1125 Colonel By Drive, Ottawa, Ontario K1S 5B6  
<http://www.physics.carleton.ca>



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## **Robert Lee Clarke and Medical Physics**

Robert ("Bob") Clarke was born in Vermilion, Alberta in 1922 and received his B.Sc. from the University of Alberta in 1943. He worked at the National Research Council from 1943 to 1945, obtained his Ph.D. in Physics from McGill in 1948, and was a nuclear scientist at AECL Chalk River from 1948 to 1968.

Dr. Clarke then joined the Physics Department of Carleton University where he served as Department Chair in the 1970s, and served on numerous University committees and Senate. At Carleton, his research interests progressed from nuclear physics to nuclear medicine imaging and then to ultrasound cancer therapy. In the 1980's, Bob Clarke was invited by the Department to lead the development of our formal medical physics graduate program. Although he officially retired in 1987, Bob Clarke continued his research on therapeutic ultrasound until just weeks before his death in 2005. In addition, he spent many periods of research at the Institute of Cancer Research at the Royal Marsden Hospital in Belmont, Surrey, United Kingdom. In 2005 Carleton named him Distinguished Research Professor. Bob and his wife of over 60 years, Vera (1922-2007) were both widely-known at Carleton and have been missed.

The medical physics graduate program that Bob Clarke inaugurated has prospered. The students that Bob supervised in the 1970's wrote the first of over 80 M.Sc. and Ph.D. theses in medical physics to date. Our graduates can be found in clinical service, universities, government regulation, research and industry throughout North America and overseas. The Ottawa Medical Physics Institute, a wonderful cross-city network of collaborating medical physicists that is designated as a Carleton University Research Centre, is now in its 20th year.

### **The Robert L. Clarke Graduate Scholarship in Medical Physics**

Awarded annually, on admission, to an outstanding M.Sc. or Ph.D. student(s) in the Department of Physics specializing in Medical Physics. Eligible recipients may not hold a major external award including an NSERC PGS, OGS or OGSST. This scholarship is not renewable. The scholarship is awarded by the Dean of Graduate Studies and Research upon the recommendation of the Chair of the Department of Physics. Endowed in 2004 by family, friends and colleagues of Robert L. Clarke, Distinguished Research Professor, and founder of the Ottawa Medical Physics Institute (OMPI) to celebrate the 15th anniversary of the OMPI.

## **Program**

### **Welcome**

***Pat Kalyniak***

*Chair, Department of Physics*

### **Speakers**

***Rob deKemp***

*Past-Director, OMPI*

*Head Imaging Physicist, University of Ottawa Heart Institute*

*Adjunct Professor of Physics*

***Bog Jarosz***

*Associate Professor of Physics*

***Jim Clarke***

***Owen Clarke***

### **Presentation of the Scholarship to Mr. Chad Hunter**

***Paul Johns***

*Professor of Physics*

***Chad Hunter***

*M.Sc. student in medical physics*

### **Reception**

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