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News Release

Carleton U. Engineer Feted for Biomedical Accomplishments

(Ottawa)--Dr. Andy Adler, Canada Research Chair in Biomedical Engineering at Carleton University, has just been awarded the 2007 Dr. Michael Smith Promising Scientist Award as part of the 14th Annual OCRI Life Sciences Achievement Awards for his contribution to biomedical engineering and his groundbreaking work in Electrical Impedance Tomography.

"Carleton congratulates Dr. Adler on his award and many research achievements which have contributed towards making Carleton a thriving centre of biomedical research," says Dr. Kim Matheson, Vice-President (Research and International).

In announcing the award, OCRI Life Sciences said that Dr. Adler has played a leading role in enhancing a powerful physiological imaging technique enabling physicians to have access to real-time information about their patient's state of health.

As health care professionals are being pressured to deliver better and more efficient services, considerable interest has been generated in the kind of research undertaken by Dr. Adler who uses technology to facilitate these improvements. There has been particular excitement over the creation of non-invasive, portable, low-cost biomedical devices like the ones Dr. Adler is developing that continuously measure heart and lung activity and blood chemical concentrations. These devices utilize sophisticated sensors and portable computing power to process complex biosensor data. This allows medical practitioners to do advanced patient monitoring and keep patients in their homes.

Dr. Adler is an Associate Professor in Carleton's Department of Systems and Computer Engineering. He has been instrumental in the development of the new Ottawa-Carleton Institute for Biomedical Engineering and the new Masters degree program in Applied Science in Biomedical Engineering that was launched at Carleton last fall. Dr. Adler taught and researched in Electrical Engineering at the University of Ottawa from 2002-2006. The year before, he was the senior biometrics scientist for BioDentity Systems corporation (now Cryptometrics) and, from 1999-2001, he worked for AiT corporation (now 3M) as a senior software engineer, architecting and developing cryptographic and biometric security technology systems for government applications. Before that, he was hardware engineering team leader for American Biometric Company, and held postdoctoral positions at McGill University and the University of Colorado Health Sciences Center. He completed a Ph.D. in Biomedical Engineering at the École Polytechnique de Montréal in 1995. From 1990-1991, he conducted research at CIL explosives.

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Carleton University is a dynamic, internationally renowned research institution located in Ottawa—Canada's capital. Carleton provides leadership to the interdisciplinary conduct of research, scholarship, and creative activity. It has innovative programs in sciences, engineering, arts, business, and public administration and has realized partnerships with numerous public and private sector organizations. Its strengths have led to international recognition for its faculty, as well as an ability to attract outstanding students. For more information on the research enterprise at Carleton, visit www.carleton.ca/research

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