

***Bell Canada Advanced Research Laboratory, Ottawa (BARLO)  
School Of Information Technology And Engineering /  
University of Ottawa***



**Organisation Overview:**

BARLO is a Bell Canada funded laboratory located in the University of Ottawa. The laboratory performs R&D on telecommunications, digital signal processing, security, broadband wired and wireless access networks.

**Technology Overview:**

- Wireless Security
- Broadband Access Networks
- Digital Signal Processing
- Health Applications on Broadband Networks
- Security Infrastructure for Health applications
- Health Knowledge Synthesis and Translation
- Medical Devices and system integration§

**Organisation Partners:**

Bell Canada  
University of Ottawa Heart Institute  
VSM MedTek Ltd, Canada  
National Research Council, Canada  
Communication Research Center, Canada

**Partnering Needs/Opportunities:**

To establish an International Cardiovascular Disease Clinical repository and knowledge management network

**Presenter Biography: Dr. Tet Hin yeap:**

Currently an associate professor in the School of Information Technology and Engineering, University of Ottawa. Dr. Yeap received a BAsC in electrical engineering from Queen's University in 1982, followed by a master's and doctorate in the same field from the University of Toronto, in 1984 and 1991 respectively. Dr. Yeap is also the inaugural director of BARLO. He directed the BARLO Laboratory from 1996 to 2004 focusing on the research and development on telecommunications. Dr. Yeap recently founded a start-up company called SecureNex Systems Inc. focusing on the next generation security infrastructure. Dr. Yeap has published 48 Journal and Conference papers, 5 US Patents and 10 Pending Patents.

**Established:** 1996

**Number of Staff/Employees:** 20

**Industry Sector:**

Telecommunications R&D

**Products/Services:**

Research and Development  
Networking  
Applications in Health Care

**Contact Information**

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