



**Organisation Overview:**

Founded in 1999, the NCIT is a fourth pillar organization that unites the capabilities of the National Capital region's federal laboratories, universities, colleges, global corporations and small and medium enterprises to engage in managed strategic research thrusts. The NCIT builds sustainable engineering research infrastructure and develops new channels to commercialization reflecting the evolution of the Information and Communications sector. The Ottawa community is prolific in converting technology to world leading products. The NCIT is a novel approach to maximizing the potential of the region.

**Technology Overview**

The NCIT is a fourth pillar organization developed specifically to manage multiparty research initiatives in the ICT field that incorporate multiple industrial, academic and federal institutions with an objective of commercialization and economic development. Since April 2000 the NCIT has successfully managed forty such projects and has approximately \$6.0M of research projects either underway or completed. These projects cover research in photonics, wireless communications, networking and advanced applications. Multi-party collaborative research projects applying ICT technologies to the health sciences sector are one of the NCIT strategic priorities. The NCIT management team has extensive experience in the management and administration of university-based research and the interface of such research to industry.

**Organisation Partners:**

Alcatel Canada	University of Ottawa
Bell Canada	Carleton University
Nortel Networks	Algonquin College
QNX Software Systems	OCRI
Communications Research Centre Canada	National Research Council Canada
eXRAY Broadband (Wireless Access)	Navtel (telecom test)
Diatem Networks (Network Mgt & Ctl)	Simmic (Wireless LAN)
Peeta Consultants (Civil Infrastructure)	NI Solutions (Application Hosting)
Inco (Telerobotics, wireless access)	CSIRO Australia (Telerobotics)
EION International (Wireless IP Routing)	ITS Electronics (Microwave ICs)
MPB Technologies (Sensors, Telerobotics)	Handshake Interactive (Telerobotics)
Intelligent Photonics Control (telecom devices)	

**Partnering Needs/Opportunities:**

The NCIT is looking to partner with international organizations in the area of applying IT innovation for the purpose of increased productivity in traditional industries such as agriculture, mining, health, and municipal infrastructure. The NCIT represents one of the world's leading ICT research and development communities. It government laboratories, universities and industrial leaders offer extensive innovation capacity in the areas of wireless, photonics and advanced broadband applications. The NCIT currently works with its international partners its development capacity in the areas of tele-haptics, advanced network applications and wireless technologies.

**Presenter Biography: Dr. Maike Miller**

Joined the National Capital Institute of Telecommunications (NCIT) as the Vice-President Research Alliances in 2001. She played an integral role in galvanizing the photonics research community through her leadership in the formation and growth of the Ottawa Photonics Research Alliance. In addition, Dr. Miller, is in charge of NCIT\*Net, an advanced research network infrastructure in the Ottawa area. Dr. Miller has more than 20 years experience in technical college training for the workplace and university education and educational technology. Her areas of expertise include advanced research networks, leadership and management of research projects in the College and University environment.

**Established:** 1999

**Number of Employees:** 270 including researchers

**Industry Sector:**  
Information and Communications Technologies

**Products/Services:**  
R&D collaboration meeting point for government, academia and industry in the Ottawa, Canada ICT research and development community

**Contact Information**

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