Government of Canada / Gouvernement du Canada

Natural Sciences and Engineering Research Council

Canada

What we do. Where we invest and why.

2011-12 | 2012-13 | **2013-14**

NSERC Investments

Alberta

Breakdown of Investments

NSERC Investments in Alberta (2013-14)

$98.9 million

Government of Canada Investments through NSERC (2013-14)

$1.1 billion

NSERC Investments in Alberta, by Federal S&T Priority Area

$71.0 million

Information and Communications Technologies	14%
Natural Resources and Energy	36%
Manufacturing	14%
Environmental Sciences and Technologies	17%
Health and Related Life Sciences and Technologies	19%

1,146
NSERC-funded Professors

287
Industrial Partners

$23.0 million
Industrial Contributions by these Partners

643
NSERC Awards to Students and Fellows

115
NSERC-supported Research Chairs

Impacts and In

Canada-wide

Overview of NSERC investments acro Canada

Next

Students See Bright Futu

The University of Lethbridge is creating C program, training people to work in a $5 sectors as diverse as mining, space explo the enviro

Attacking Some

Researcher studies disease-causing "biof

E-Learning Anyti

Mobile technology is helping make distanc in remote con

Protecting Canada'

Canada Excellence Research Chair in Arct a diamond to be "M

Restoring Forests when the Drilling's Over

Researchers help to reclaim and restore forest sites disturbed by oil and gas operations

Prefabricating Buildings Saves Energy, Eliminates Waste

Industrialized approach revolutionizing construction industry

Lab on a Chip

New technology produces clearer picture of the human brain

Support for Canada's Livestock Industry

When it comes to converting feed into steaks, not all cattle are equal

Keeping it Simple

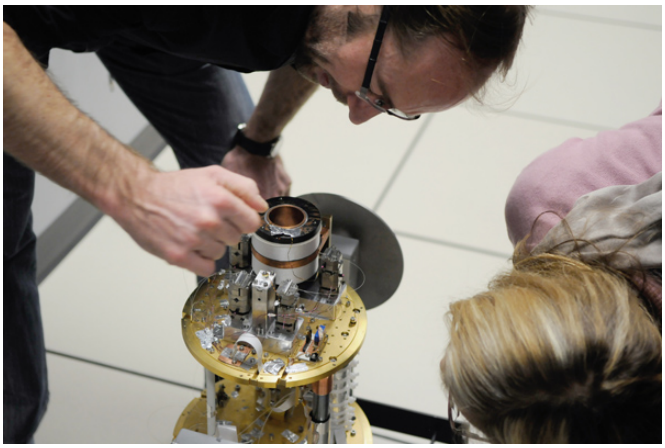
In the knowledge society, making complex ideas simple is both an art and a science

Creating Quantum Computer Networks

Cutting-edge research is helping Canada to keep up with countries around the world in the race to create quantum computer networks

Creating Quantum Computer Networks

Cutting-edge research is helping Canada to keep up with countries around the world in the race to create quantum computer networks



Quantum computer systems use photons to carry information, making them faster and more secure than traditional computers. University of Calgary physicist Wolfgang Tittel and his team achieved a major breakthrough when they successfully shared secure information using photons travelling over a fibre link. This technology outperforms currently available commercial systems in many ways and ranks among one of the best academic systems worldwide, spotlighting Alberta as an area with practical quantum-communication capabilities. NSERC contributed to Tittel's discovery research and his industrial program in partnership with General Dynamics Canada and iCORE. The Canada Foundation for Innovation and Tech Futures also supported the fibre-link project.

For the period 2010-15: NSERC contribution, $1.3 million; partners and others, $2.5 million.

2 Northern Alberta Institute of Technology
$1.2 million

3 Lakeland College
$904,000

More +

Industrial Partners in Alberta
(2013-14)

Aecon
Agrium Inc.
Alberta Motor Transport Association
Alberta Newsprint Company
Alberta-Pacific Forest Industries Inc.
Bayer CropScience Canada
BP p.l.c.
C4i Consultants Inc.
Canadian Natural Resources Ltd.
Cenovus Energy Inc.
EPCOR Inc.
Foothills Research Institute
Hemisphere GPS Inc.
Husky Oil Operations Ltd.
Mark's Work Wearhouse
Nexen Inc.
NOVA Chemicals Corporation
NovAtel Inc.
PayLab Networks Ltd.
Petro-Canada
SMART Technologies ULC

SolAeroMed Inc.
Stratus Aeronautics Inc.
Suncor Energy Inc.
Syncrude Canada Ltd.
Terralog Technologies Inc.
Total Image Fitness
TransAlta Utilities Corp.
TransCanada PipeLines Limited

"The NSERC Industrial Research Chair has enabled us to establish a world-class centre for the delivery of research, development and training in construction engineering that has no parallel... it is the envy of academics worldwide."

Dr. Simaan AbouRizk
NSERC Industrial Research Chair in
Construction Engineering and Management
University of Alberta

"Innovation is at the heart of what we do at Cenovus. Through the Industrial Research Chair program, NSERC gives us the opportunity to collaborate with government and academia to support innovative new research that could help solve the challenges our industry faces so we can continue to develop the oil sands in a responsible and environmentally conscious way."

Brian Ferguson
President and CEO
Cenovus Energy

"It is very difficult to put a monetary value on the benefits that we have gained through our involvement with this [NSERC Partnership] program, but it is not difficult to assess the value in terms of the leverage we have received in helping to position our company at the top of the food chain in a very competitive marketplace."

Paul Zubick
Former Vice-President
Waiward Steel Fabricators Ltd.

Date Modified: 2015-05-14