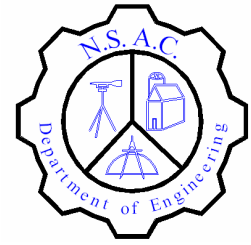




Engineering TIMES



Department of Engineering, Nova Scotia Agricultural College

May 14, 2007

Canada Wide Science Fair Issue

Message from the Department Head



Dr. Peter Havard

The Engineering Department welcomes and congratulates the students of the Canada Wide Science Fair. This competition brings many top young minds from across the country to show their excellence in conducting science projects. We wish

NSAC Engineering

now has:

- 15 faculty members
- 1 administrative assistant
- 1 preparatory instructor
- 3 technicians
- 3 undergraduate program options
- 1 graduate studies program
- 4 separate facilities
- 13 teaching laboratories

you well in your competition, and hope you enjoy your stay in this beautiful part of the country.

Engineering is the application of technology developed by science to serve humanity. Please feel free to stop in to the Engineering Department and learn more about our department and programs or just take some time to explore.

Graduating Students 2007

The Department of Engineering had students graduating from three of its programs this year:

Bio-Environmental Systems Management (BESM) BSc:

Joel Fraser
Steven Hamill
Steven Harvey
Nicholas Juurlink

Diploma in Engineering:

Kyle Barnhill
Scott Beckwith
Stephen Dove
Timothy House
Joshua Keel
Nathan Mentink
Nicholas Miles
Benjamin Rhyno
Mark Smith

Master of Science (MSc):

David Christie
Steven Tattrie



Shown in photo:

Back, left to right: Scott Beckwith, Joshua Keel, Kyle Barnhill, Benjamin Rhyno, Mark Smith
Front, left to right: Steven Hamill, Joel Fraser, Steven Harvey, Nicholas Juurlink

Congratulations to all from everyone in the Department of Engineering!

New Faculty

Engineering welcomes two more Faculty members this summer.

Dr. Gordon Price has joined the Department in the newly created position of Innovative Waste



Management Research Chair. The aim of his research will be to develop viable technologies to manage and generate value-added resources from organic by-products generated in the agricultural sector. In addition, his program will examine the role of nutrient management on agricultural soils using a variety of organic by-products.

Originally from Vancouver, B.C., Dr. Price completed his BSc in Agriculture at UBC, specializing in Plant Science and Horticulture. Dr. Price then went on to obtain his MSc in Environmental Biology and his PhD in Soil Microbiology and Biochemistry at the University of Guelph.

Dr. Price has traveled extensively and has an interest in International Development issues. He has also taught at both the University of Guelph and McMaster University.

Dr. Alex Martynenko will be joining NSAC Engineering Faculty on June 1st, 2007, with a specialization in Bio-instrumentation and Bio-electronics.

Dr. Martynenko has his PhD in Biological Engineering from the University of Guelph, and holds a MSc in Agricultural Engineering from the Moscow Agroengineering University, and a BSc from the National Agricultural University of Ukraine.

Dr. Martynenko brings with him experience teaching at both the undergraduate and graduate level.

Campus Works

The Women's Institute of NS (WINS), located on the campus of the NSAC, can now safely use their deck, thanks to the *Horticultural Engineering* class taught at NSAC by Wayne Bhola. The railing was designed by Mr. Bhola and then built by the students in his *Wood Construction Technology* lab under his supervision. The railing was installed recently by Mr. Bhola, with the assistance of some of the Horticultural staff.

The deck, located behind the WINS building, had been closed for several years, due to lack of a railing.

"Twenty-five students were able to participate in the project. They were happy to know they were working on something that will be on campus for several years," says Mr. Bhola. A part of the Department of Engineering at NSAC for 33 years, Wayne plans to retire this summer.

In previous years his classes have built the benches, foot bridges, and arbours which are located throughout the campus.

Materials for the railing were donated by the *Friends of the Garden*. The members of this group donate their time to keep the gardens at NSAC looking beautiful.



Wayne Bhola seated on right with members of the *Friends of the Garden*, and NSAC Horticulture staff Darwin Carr, standing far left, and Bernard Jackson seated on left.

Contact Us

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NSAC Engineering Programs

The Department of Engineering at NSAC offers three distinct undergraduate program options:

Bio-Environmental Systems Management (BESM)

This four year BSc degree focuses on the operation and management of technology used in biological and environmental systems. It explores the natural resources of the land and water and teaches how to best manage them.

Bachelor of Technology in Applied Science

Giving a hands-on approach, this four year degree teaches the

development and techniques of modern technology. Students learn skills such as computer-aided design and graphics, metal and wood construction, surveying, electronics, machinery, and communication technology.

Engineering Diploma

This program is the first two years of your Engineering degree. It provides the background for any specialization of professional engineering. It guarantees your acceptance into Dalhousie University to finish your degree, but also the flexibility to attend other schools.