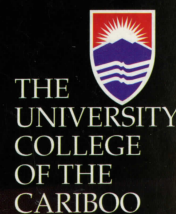




Advanced Technology and Innovation Centre

In collaboration with:
Ministry of Employment
and Investment; Central
Interior Science, Technology
and Innovation Council;
B.C. Advanced Systems
Institute; and National
Research Council, IRAP



ATIC is a valuable resource for obtaining technological knowledge, training, business assistance and access to funding for industry.

ATIC means access to new advanced technologies and expertise.

ATIC is in business for industry.

ATIC CAN HELP

with your needs in:

- Proof-in-concept Projects
- Industrial Training
- Technology Applications
- Applied Research



WE CAN FACILITATE

the transfer of technological knowledge, training and assistance. We can:

- facilitate projects and training in marketing, business management, computing and entrepreneurship.
- provide advice and guidance to business and industry in the protection of intellectual property (Intermediary of The Canadian Intellectual Property Office.)
- assist in access to funding programs through the Science Council of B.C., the National Research Council, Revenue Canada, as well as others.

A WIDE RANGE OF SERVICES

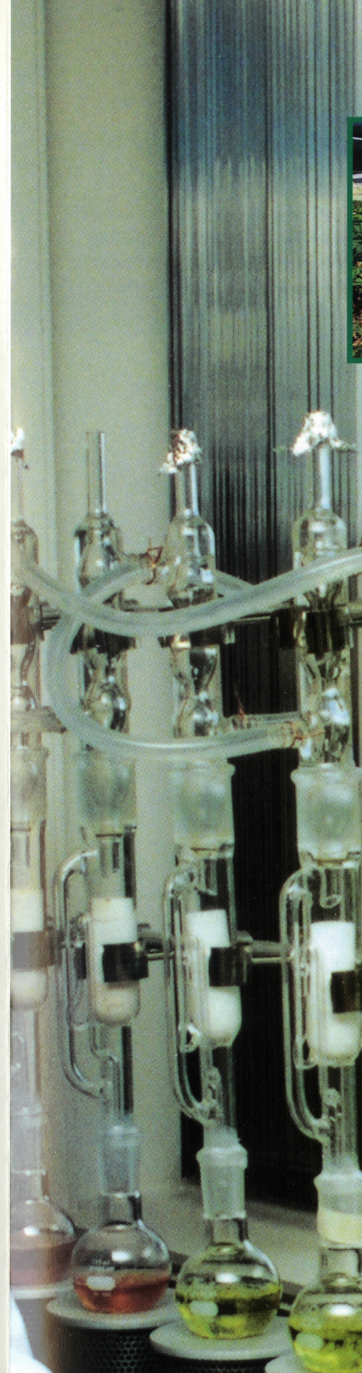
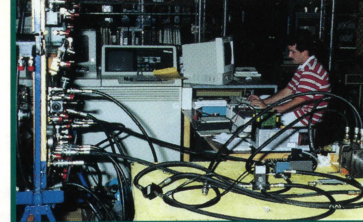
provides access to our diverse network of expertise from universities, research institutes, technology integrators and the private

sector. This network provides a multi-disciplinary team approach to the needs of industry. We are also members of the Canadian Technology Network (CTN) on the Internet.

While we focus primarily on the wood industry in value-added secondary wood products, fibre processing, sustainable forestry, land use issues and the growing British Columbia ginseng industry, we are also able to offer solutions to a wide range of other industrial clients.

"...In reference to the Levels one and two of the stationary industrial hydraulics course I must say I have not enjoyed any course more. The word that keeps coming is "practical". You have put together a superb course and I believe it is one that will benefit the industries involved for a long time."

G. Fothergill, Maintenance Supervisor, Riverside Forest Products Limited



WE HAVE EXPERTISE

available in the areas of:

- **Applied Industrial Technology** such as computer automation, process control, robotics, machine vision, CADD, electronics and telecommunications.
- **Resource Technology** such as wood process technology, applied biology/chemistry, natural resource science, environmental science forestry and GIS (Global Information Systems).
- **Computer Technology** in computer science, software and hardware development, computer-aided instruction, digital art and design.
- **Business** such as marketing, entrepreneurial assistance, small business consulting and business management.
- **On-site Industrial** training in new areas of technology applications.

"The Advanced Technology and Innovation Centre has provided valuable assistance with proof-in-concept design work on an automated assembly process required for a new manufacturing facility."

Kevin K. Gray, Vice President
Manufacturing, Scaffold Connection Inc.



FAST INFO: Photocopy and
FAX US

FOR MORE INFO
604 828-5492

Advanced Technology and Innovation Centre
Attention: Diane White

Please send me more information regarding:

Industrial Training

- | | |
|---|--|
| <input type="checkbox"/> Mobile Hydraulics | <input type="checkbox"/> Stationary Hydraulics |
| <input type="checkbox"/> Electro-Hydraulics | <input type="checkbox"/> Wonderware |
| <input type="checkbox"/> Programmable Logic Controllers | |
| <input type="checkbox"/> Other needs _____ | |

Technology Transfer

- | | |
|--|---|
| <input type="checkbox"/> Proof-in-concept Projects | <input type="checkbox"/> Applied Research |
| <input type="checkbox"/> Technical Applications | |

Funding Programs

- | | |
|---|-------------------------------------|
| <input type="checkbox"/> of BC Advanced Systems Institute | <input type="checkbox"/> TAP |
| <input type="checkbox"/> of Science Council of BC | <input type="checkbox"/> NRC / IRAP |
| <input type="checkbox"/> Others (please specify) _____ | |

Small Business Services

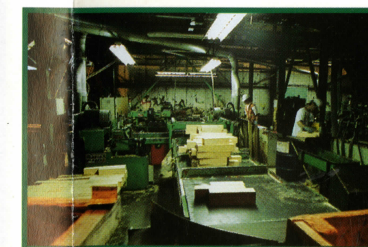
- | | |
|--|--|
| <input type="checkbox"/> Protection of Intellectual Property | <input type="checkbox"/> Business Management |
| <input type="checkbox"/> Entrepreneurship | <input type="checkbox"/> Marketing |
| <input type="checkbox"/> Other needs _____ | |

Send information to:

Company _____
Address _____
Postal Code _____
Attention _____
Phone _____ Fax _____
email _____

ADVANCED TECHNOLOGY AND INNOVATION CENTRE

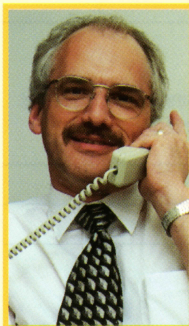
P.O. Box 3010, Kamloops, BC V2C 5N3
Telephone (604) 371-5586 email: dwhite@cariboo.bc.ca
Fax (604) 828-5492





PAUL WEBB, Ph.D., R.P. Bio., P.Ag
Univ. of Waterloo, Univ. of Wales, U.K.
Director, Advanced Technology and Innovation Centre and Research Services, Industry Liaison

- Senior Research Scientist with Canadian Forestry Service
- Visiting Assoc. Professor, Department of Biology, University of Waterloo, Adjunct Professor, Faculty of Forestry, University of Toronto
- Research Management experience with the Ontario Forest Research Centre and Forestry Canada
- Director, Forest Biotechnology Centre at B.C. Research
- Vice-President, Research and Development in private sector biotechnology and environmental consulting companies in B.C.
- Extensive experience gained in over 25 years in research and technology transfer to business and industry.



LARRY DYCK, Electrical Technology Program, Instrumentation and Process Control, BCIT
Industrial Training Coordinator

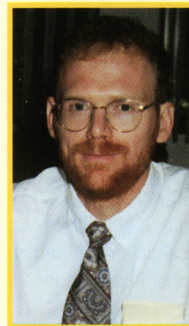
Larry has extensive experience in system configuration of Programmable Logic Controllers and Man-Machine Interfaces as well as technical sales and support for automation control equipment. Industrial markets worked in include: bulk grain terminals, sawmills, pulpmills, mining, municipalities, food and beverage, and public utilities.



VLASTA DUSIL, Bachelor of Commerce in Finance, Masters of Business Administration, SFU
Project Coordinator, CISTIC

Vlasta is a representative of the Science Council of BC in the Central Interior Region. In addition to many other tasks, she acts as an information resource for Government Funding Programs, Government Agencies and Science and Technology Organizations.

Keeping pace with current technology is a constant challenge. To remain competitive in the emerging global market, industry requires access to new technologies and expertise



LYLE KILLOUGH, A.Sc.T., Diploma of Engineering Technology, Robotics and Automation, BCIT
Research Technologist

Lyle's areas of expertise lie in the design and implementation of data acquisition, motion and process control systems utilizing commercially available or custom-designed electronic, hydraulic, pneumatic, mechanical and software components. He also has extensive experience in the design, construction and application of bio-medical research electronic instruments.



DIANE WHITE
Secretary

In addition to working in the private sector, Diane has 10 years experience with the University of Calgary and 15 years experience with the College of the Rockies (EKCC) in the Admissions/Registration and Trades area. She has a strong background in industry, particularly in the areas of Forestry and Mining.

ADVISORY COMMITTEE

Chairman
 Mr. Gordon Gulbranson, President
 Masse Sales Ltd. and
 Board member National Education Initiative

Mr. Bob Bird, Vice-President
 Canwood Furniture Factory Inc. and
 Southern Interior Kiln Drying Association

Mr. Gary Nikolai, President
 Nico Industries Inc. and Past President,
 Millwork Manufactures Association

Mr. Poul Pedersen, President
 Sonax Acoustics Ltd.

Mr. Bob Ryan, Vice-President and GM
 Weyerhaeuser Canada Ltd.

Mr. Hugh Cartwright, President
 Canadian Imperial Ginseng Corp.

Mr. Erik Norgaard, President
 Ardew Wood Products Ltd.

Mr. Ron Bradley, GM
 Chemonics Industries (Canada) Ltd.

Mr. Bob Holm, Executive Director
 BC Wood Specialties Group

Mr. Ray Dunsdon, President, Kamloops Ginseng,
 Past President, BC Ginseng Growers Association

Mr. Paul Sourisseau
 Interior Forest Labour Relations Association

Mr. John McGregor, Director
 Program and Agency Branch,
 Science and Technology Division,
 Ministry of Employment and Investment

Mr. Des Mullan, Regional Director,
 Pacific and Yukon, National Research Council, IRAP

Dr. Brian Anderson
 Industry Canada

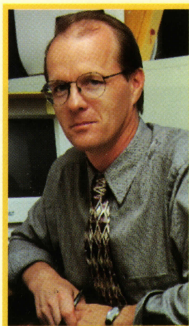
Dr. Ian de la Roche, President
 Forintek Canada

Mr. Brent Sauder, Executive Director
 BC Advanced Systems Institute



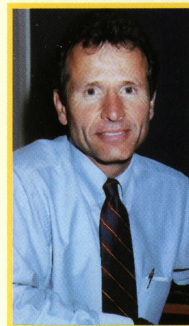
ADVANCED TECHNOLOGY AND INNOVATION CENTRE

WE MEAN BUSINESS FOR INDUSTRY



BRENT KORNELSON
Program Manager

20 years of business management in the forest industry, new product development and process automation. Projects include timber harvesting operations, envelope processing equipment, forest fire retardant mixing systems and sorting stacking equipment for the wood industry.



PETER BELLOS, Bachelor in Design Engineering Technology, Bachelor Degree in Business and Finance, Brigham Young University
Industrial Technology Advisor, National Research Council

Project Engineer in the Truck Division of an American company for four years. For the past 8 years, in the position of Industrial Technology Advisor for the National Research Council, IRAP Program at the University College of the Cariboo.



ATIC HAS ASSISTED INDUSTRY

in industrial training and in technology transfer through its established network of individuals from education, government and the private sector. Some of these projects have included:

Unique Tire Recycling. Developed a 3-axis control drilling platform to assemble rubber mats from recycled tires.

Moly-Cop Canada. Developed a method to identify cracks in steel balls used for crushing ore.

Canwood Furniture Factory Inc. Developed a timing system to be used on a double-ended tenoner that will reduce machine set-up time by 30%.

Nicola Machine. Designed the control system for a welding fixture and interfaced the fixture to a welding robot.

Heli-Tech Forestry Ltd and Cariboo-Chilcotin Helicopters. Select harvest helicopter logging training of 17 individuals in Lillooet illustrated how selected logging practices using this technology can be both profitable and environmentally successful.

PLC Training Lab. Assisted wood products manufacturers to integrate new process control technology in their operations with on-site training.

Columbia Ginseng Corp.
 Development of a method of analysis for the rapid determination of ginsenosides in ginseng root and other projects.

Bridge River Indian Band. All facets of select-harvest helicopter logging training were taught to a team of 21 individuals including 13 First Nations trainees. This project successfully eradicated the infestation of fir bark beetles, while maintaining the aesthetic properties of this highly visual steep-slope corridor.

Interior Forest Labour Relations Association (IFLRA) and IWA Canada Joint Electro-Hydraulic Training. The purpose of this two-level course is to promote team problem-solving of electro-hydraulic systems in sawmills, by the collaborative efforts of millwrights and electricians.

Fraser River Action Plan. Review of initiatives relating to the effects of livestock on water quality in the Interior of British Columbia.