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EVOLUTION

From Innovation to Industry

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Vision:
Bringing Innovation to Life

Mission:
To be recognized as the premier technology transfer, commercialization and incubation centre in Canada by upholding our commitment to our stakeholders, principles and beliefs.

IGNITE: Identifying and commercializing platform technologies

UTI has developed or assisted in the creation of 41 companies since its inception in 1989. New company formation has the potential to significantly contribute towards our local economy in addition to providing economic return to the University of Calgary and our researchers. In many cases, University spin-out success is somewhat limited as researchers require committed resources, management, product development and company development in order to stage a company for investment capital. IGNITE has been created to address these needs and to improve our chances at success. UTI is continuing to build on past performance by allocating more effort and resources to the company creation commercialization strategy through the formation of IGNITE.

IGNITE's mandate is to identify and commercialize platform technologies by creating viable, sustainable early-stage, technology-based companies to maximize economic capital gain opportunities for shareholders. The IGNITE team works with researchers to design and build spin-out companies acceptable to capital markets. IGNITE allocates capital, expertise and significant in-house resources towards company incubation in an effort to address the following needs:

- Management development and engagement
- Product marketing and strategy
- Building intellectual property (IP) strategy and estate
- Access to capital
- Technology and product development
- Strategic partnerships and alliances
- Support for ongoing R&D to strengthen IP portfolio and build stronger claims
- Exploitation of infrastructure, services, and non-dilutive capital sources



IGNITE is currently working on six new potential companies in the areas of oil and gas, life sciences, medical devices and IT.

IGNITE is funded, in part, by the Alberta Ministry of Innovation and Science. We will officially be launching IGNITE in the new year; so, stay tuned for details on our visits to your faculties.

For more information on this important initiative, please contact Paul Cataford at cataford@uti.ca.



Funding Update:

Idea to Innovation

Dr. Sui-Lam Wong with the Faculty of Science, U of C recently received an Idea to Innovation (I2I) grant. The funds from this grant will be used for the development of his technology for the purification of recombinant proteins.

Proteins are used in a wide range of biomedical research, with applications ranging from use as research tools to therapeutics. This particular technology is a tool that will help overcome some of the problems associated with existing affinity purification systems.

There are currently many different purification systems available which are necessitated by the range of characteristics of the proteins with which the researchers work. For example, some proteins require a high salt environment and, therefore, require a purification system which can tolerate the same conditions. Dr. Wong's system is stable under a wider range of such conditions and is, therefore, considered to be a valuable tool.

The funding provided under the I2I grant will enable him to continue the optimization of this system for its eventual introduction to the marketplace.

New Members Join SAIP Network: Collectively growing the commercialization cluster in Southern Alberta



The Southern Alberta Intellectual Property (SAIP) Network is pleased to welcome two new members to the network this year. The University of Lethbridge and Olds College recently

joined the network to add their valued skills and expertise to this growing commercialization cluster. These two institutions join the University of Calgary/UTI, SAIT Polytechnic, Red Deer College (RDC) and Mount Royal College (MRC) in increasing the benefits to Albertans of our growing investment in research and development.

An application to the Tri-Council IPM Program to provide additional funding in recognition of the new members was submitted this summer and we are hopeful for its success. The unique expertise, facilities and culture of the SAIP Network member institutions collectively contribute to a growing commercialization cluster in Southern Alberta.

"The University of Lethbridge and Olds College recently joined the network to add their valued skills and expertise to this growing commercialization cluster."

The SAIP Network supports, facilitates and encourages collaboration among research organizations and

partner industries in research and development leading to commercially interesting products and services. The SAIP Network works together among partners in the research and business communities. If you are a researcher with an interesting research and development project that may be of interest to industry; if you are an industry with a need to answer a research and development question or have interest in exploring how research can benefit your company, or if you are an organization with interest in research and development activities of academic-based organizations in Southern Alberta, you may find that the SAIP Network is the right partner for you.

For more information on the SAIP Network, please contact us through our website www.saipnetwork.ca or contact Janet E. Scholz, Manager SAIP Network at 270-2449 or scholz@uti.ca.

The SAIP Network was formed in 2005 to draw on the collective knowledge of its members in the area of intellectual property mobilization. This collaboration will increase the benefit to Albertans of our growing investment in research. The Network works together to enhance technology commercialization projects by extending value-added services from our institutions, to those in the Network and to industry partners.

Thank you to our funding agencies, NSERC, SSHRC and CIHR.

SAIP Network Members: UTI/University of Calgary, SAIT Polytechnic, Red Deer College, Mount Royal College, University of Lethbridge and Olds College.



Events:

UTI Speaker Series: Bringing Innovation to Life

UTI is excited to present our inaugural speaker series with a dynamic and diverse panel of experts. The series launched in September, with the first three seminars taking place in front of a full house. There is still time to learn from our panel of experts during any of the following sessions:

Funding Technology Commercialization

Tina Blake (AHFMR), Ray Hoemsen (NSERC), and David Brener (CIHR)

November 1, 12:00 – 1:30 p.m.

MacEwan Conference
Centre – Cassio Room

Deriving Value From Your Intellectual Property

Dr. Kevin Casement (UTI) and Mary Ann Dillahunt (Fish & Richardson, California)

November 15, 12:00 – 1:30 p.m.

MacEwan Conference
Centre – Cassio Room

Commercialization Strategies – A Pathway For Success

Paul Cataford (UTI), Randy Thompson (Venture Alberta), John Ramsay (Gowlings), Greg Smith (BDC), and Byron Osing (Calgary Scientific)

November 29, 12:00 – 1:30 p.m.

MacEwan Conference
Centre – Cassio Room

Seminars are FREE and open to the public by RSVP to 403.270.2432 or emailing taylor@uti.ca. Lunch is provided.

The UTI Seminar Series is sponsored by the Southern Alberta Intellectual Property Network.

Technology in Profile: P3 – Precise Point Positioning (PPP) Software Package Without a Base Station Requirement

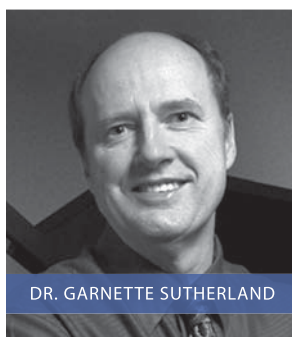
P3 is a software package for Precise Point Positioning (PPP), developed by the Geomatics Department at the University of Calgary, which overcomes the need for a base station in developing GPS applications. P3 has been developed to answer increasing demand for accurate and cost-effective positioning systems without the requirement for a base station, which is appealing to many applications such as airborne mapping.

P3 is a next generation positioning technology that performs position determination, based on the processing of undifferentiated code and carrier phase data from a single GPS receiver, integrated with widely-available precise GPS orbit and clock products. It provides globally-attainable positioning accuracy

at the centimeter to decimeter level. Currently, such accuracy can be achieved only through differential processing of observations acquired simultaneously from at least two receiver stations. By eliminating the need for base stations, P3 reduces labour and equipment cost and simplifies operational logistics, bringing greater flexibility to field operations. P3 has global consistency – another big gain over the differential approach.

The executable and source code for this technology is currently available for licensing. For more information please contact Leah McCartney at mccartney@uti.ca. Leah recently joined UTI as a Technology Analyst for Engineering and Physical Sciences.

In the Spotlight: Dr. Garnette Sutherland



DR. GARNETTE SUTHERLAND

Dr. Sutherland is a Professor of Neurosurgery at the University of Calgary. For the past five years, he has been leading Project neuroArm in the development of an MR-compatible,

image-guided robotic system for neurosurgery. Dr. Sutherland is Director of the Seaman Family MR Research Centre. In 2004, he received the Manning Award of Distinction for the development of an intraoperative MR system based on a movable 1.5 Tesla magnet.

From 1993-2003, Dr. Sutherland acted as Professor and Head of Neurosurgery, Department of Clinical Neurosciences, University of Calgary.

Dr. Sutherland has made a number of contributions to science and medicine, as reflected by 171 abstracts, 140 peer-reviewed publications, 16 monographs or book chapters, and five patents. He has been awarded significant peer reviewed funding and substantial support from the Calgary philanthropic community. His major research focus has been the application of MR techniques to the study of neurological diseases. Dr. Sutherland is currently working with Dr. Aly Nanji, Executive in Residence with UTI, and the IGNITE team, to look at spinning off a company around neuroArm.

For more information on Dr. Sutherland and his work, please contact him at garnette@ucalgary.ca.

Celebrating Innovation

In celebration of U of C's 40th anniversary, University Technologies International is hosting a gala reception recognizing the innovations, technologies, patents and commercialization success stories that have come out of UTI/U of C over the past 40 years.

Celebrating Innovation is taking place on Tuesday, November 21 from 4:00 – 7:00 p.m. at the Rozsa Centre, U of C. Our distinguished keynote speaker is a former U of C President, Vice - Chancellor, and founding Dean of the Faculty of Medicine, Dr. Bill Cochrane. In addition, Dr. Elizabeth Cannon, Dr. Grant Gall, Dr. Sandy Murphree and Dr. Dennis Salahub will all be speaking at this event.

For more information or to RSVP for this event, please contact Alex Tayler at tayler@uti.ca or 403.270.2432.

The Last Word

As part of our ongoing development and rebuilding process, we are excited to welcome five new staff members to the UTI team including Leah McCartney, Imran Gulam, Alison Borrajo, Kelly Cherniwchan and Trac Hoang.

In addition to staff changes, our board of directors has added three new members including Dr. Elizabeth Cannon (Schulich School of Engineering), Tracey Robinson (Canadian Pacific Railway) and Michael Carten (Sustainable Energy Technologies). We welcome each of these new additions and look forward to learning from their valued guidance and expertise.

I encourage you to download our 2006 annual report from our website (www.uti.ca/news/review) for more details from our 2005/2006 fiscal year. We look forward to continuing to work with you this fall. Please join us at our *Celebrating Innovation* 40th Anniversary event on Tuesday, November 21, as well as the remainder of the sessions in our Speakers Series. ~ Paul (cataford@uti.ca).



UTI Staff

We would like to hear from you. Please contact any of our staff with your inquiries, thoughts or insights.

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If you are interested in applying for one of the open positions, please contact Alex Tayler for a detailed job description.

