



February 2011

AMETHYST Program Background

AMETHYST (Advanced Methods, Education and Training in Hyperspectral Science and Technology) is a U of L program funded by NSERC and it is designed to expose students to the broader context of imaging science and technology, with foci on imaging spectroscopy and remote sensing. Imaging is an emergent science and technology sector that involves a wide variety of disciplines and has become one of the most highly used tools in science, technology and the arts. Imaging has grown to become the leading enabling technology for Earth observation, environmental science, medical imaging, and climate research. For further information about the AMETHYST Program, please consult <http://www.uleth.ca/fas/amethyst/>.

Upcoming Important Dates

February 15th, 2011 - AMETHYST Workshop on Career Development and Workforce Preparation 2011.

The workshop will include guest presentations from Mr. Cal Koskowich (National Research Council Canada) and Mr. Refah Seyed (Montana State University) in the morning. Dr. Robert Boudreau (University of Lethbridge) will present his Bourdeau Burnout Questionnaire, which will be completed by the workshop attendees in the afternoon. This workshop is open to all graduate students. Advanced registration is required.

For more information, please see: <http://www.uleth.ca/fas/amethyst/wcpwp-2011>.

AMETHYST Annual Workshops

Workshop on Hyperspectral Imaging Science and Technology:

(*Summer*) This annual multi-day workshop provides an intensive interdisciplinary research training experience open to students and researchers across Canada and internationally. Each workshop will be animated by a variety of experts from our AMETHYST partner institutions and by other invited prominent researchers.

Workshop on Career Development and Workforce Preparation:

(*Winter*) This annual workshop will offer trainees a unique and diverse training experience, allowing them to acquire a full scope of individual and team-oriented professional skills that are highly valued and optimized for today's job market. This workshop will be open to participants from across Canada and internationally.

Image of the Month Contest

Each month, the AMETHYST Program will be hosting an "Image of the Month" contest. University of Lethbridge students are encouraged to email in the correct answer to a question about the monthly image, for a chance to win a gift certificate to a local establishment.

February 2011 Image of the Month:



Question:

What is the predominant geological landmark presented in the CHRIS hyperspectral image above?

Prize:

*A **\$25.00 Gift Card** for the Mac's Convenience Store*

To enter, please visit our website:

<http://www.uleth.ca/fas/amethyst/image-month-contest>

Undergraduate Co-op Designations

Undergraduate cooperative education awards consist of three four-month summer internship awards over the duration of the student's B.Sc. This placement will give the student exposure to a laboratory setting (first year placement), an off-campus internship in a government research setting (second year placement) and an industry setting (third or fourth year placement). This Co-op award will meet all of the requirements to obtain a Cooperative Education designation on your official transcript.

Currently, three award positions are available with a summer 2011 start time. Please contact Jasmin Berteotti in the A&S Co-op office for more information: bertif@uleth.ca

Graduate Internship Placements

Graduate students enrolled in the AMETHYST program will be awarded one or more internships. The goal of this internship will be to provide the student with a training experience directly related to their graduate research. This internship will be hosted by government, industry or university laboratories and would provide additional networking and important skill development for our students. Students at the master's level will be awarded a single internship, while Ph.D. students will receive two research internships.

Coming in the Next Newsletter

- List of AMETHYST Collaborators
- Summary of the Workshop on Career Development and Workforce Preparation 2011
- In-depth look at one of the current AMETHYST Graduate student's research
- Upcoming information on AMETHYST Graduate positions starting in Fall 2011
- Image of the month preview

For more news on the AMETHYST Program, please visit us online: www.uleth.ca/fas/amethyst