



May 2011

## AMETHYST Program Background

Advanced Methods, Education and Training in Hyperspectral Science and Technology (AMETHYST) is a U of L program funded by NSERC CREATE and designed to expose students to the broader context of imaging science and technology, with a focus 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 visit <http://www.uleth.ca/fas/amethyst/>.

## Upcoming Important Dates

June 20<sup>th</sup> & 21<sup>st</sup>, 2011

AMETHYST Workshop Hyperspectral Imaging Science and Technology 2011.

WHIS&T 2011 will consist of two parts this year; a hands-on data processing and manipulation tutorial and a tour of the CCBN MRI facility on June 20<sup>th</sup>, and guest presentations from internationally renowned research scientists: Ed Cloutis, Benoit Rivard, and Harold Zwick on June 21<sup>st</sup>. Presentations on Tuesday will be held at the Lethbridge Research Centre. *Advanced registration is required.*

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

## 2011 Graduate Awards

AMETHYST will be accepting four M.Sc. students and three Ph.D. students into the program next year. If you are interested in graduate studies at the University of Lethbridge in an imaging science related field, this opportunity should be of interest to you.

For more information, please contact Mr. Trevor Armstrong, AMETHYST Program Coordinator:  
Phone: 403-332-4116  
Email: [Trevor.Armstrong@uleth.ca](mailto:Trevor.Armstrong@uleth.ca)

## 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.

May 2011 Image of the Month:

**Question:**

*What type of Natural Disaster is depicted in this satellite image, which occurred along the coast of California?*

**Prize:**

*A \$20.00 Gift Card, to a local  
[Mac's Convenience Store](#)*

To enter, please visit our website:

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

*\*Contest open to all UofL Students*

## AMETHYST Graduate Student Research

In this AMETHYST Newsletter, we would like to highlight one of our current graduate students.

**Hoimonti Rozario, M.Sc. Candidate**



Hoimonti is a M.Sc. candidate in the Department of Physics at the University of Lethbridge, under the supervision of Dr. Adriana Predoi-Cross. She is currently in her first year of study.

Her research thesis is entitled:  
*"Spectroscopic Study of Atmospheric Trace Gases"*

"Molecular spectroscopy offers the tools and instrumentation needed to reveal the structure and characteristics of molecules of practical importance to the environment, astronomy and fundamental science." – *Hoimonti Rozario*

For more information on Hoimonti's (as well as other AMETHYST graduate's) research please visit our [AMETHYST student research](#) webpage.

## AMETHYST External Collaborators

Over thirty-five collaborators have committed to hosting internships for the AMETHYST Pathways Program. These collaborating organizations can be grouped into four streams: Academic institutions, Government agencies, Industry corporations and Non-for-profit entities.

A detailed list of partners can be found online:  
[List of AMETHYST collaborators](#).

## Miscellaneous Items

- Graduate awards application deadlines are October 1st 2011 (January 2012 start), or March 1st (May 2012 start)
- **\*\*NEW\*\*** Online Application form:  
[AMETHYST Application Form](#)
- AMETHYST has a [www.facebook.com](http://www.facebook.com) page  
*"Like" us on facebook!*

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

If you have problems viewing this email, please see the attachment or visit:  
<http://www.uleth.ca/fas/amethyst/amethyst-newsletters>

-----  
Trevor Armstrong, B.Sc.  
AMETHYST Program Coordinator  
University of Lethbridge  
Faculty of Arts and Science  
Office: WE1002  
Ph: (403)332-4116  
Fax: (403)332-4039  
Email: [Trevor.Armstrong@uleth.ca](mailto:Trevor.Armstrong@uleth.ca)

*Please think of the environment before printing this email.*