

## Université Laval-INRS-ETE Student Chapter 2004-2005 Annual Report

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### Student Chapter members (2004-2005)

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## Sponsors

### *Academic sponsor*

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**Sponsoring institutions:** Université Laval/INRS-ETE

## Summary of 2004-2005 activities:

**Meetings/Lecturers:** On October 2004, the Chapter was pleased to welcome at the Université Laval Thayer Lindsey Lecturer, Dr. François Robert from Barrick Gold Corp. (Toronto). He gave us a very interesting talk about greenstone and Carlin-type gold deposits. Dr. Robert talked about the gold exploration and its opportunities for students during an informal meeting with student chapter members. Many students and geologists from university and industry attended the event.

**Short Course « Metallogeny of iron oxide-copper-gold (IOCG) deposits : from the Archean to the Mesozoic » :** This one-day short course held during the joint Ministère des Ressources Naturelles et de la Faune du Québec and Association pour l'Exploration minière au Québec (MRNQ-AEMQ) "Québec Exploration 2004" in Québec City, on November 22, 2004. Participants were introduced to the metallogeny of Iron-Oxide-Copper-Gold (IOCG) deposits throughout the world. The course addressed the geodynamic setting of IOCG deposits, studied their distribution in space and time, and reviewed their geological, geochemical, and geophysical characteristics. Participants had also the opportunity to examine typical rock samples from several IOCG deposits throughout the world. This course was given by Dr. Michel Jébrak (Université du Québec à Montréal), Dr. Georges Beaudoin (Université Laval), and Dr. Lluis Fontboté (Université de Genève). The course was attended by 14 students and 16 professionals.

**Participation in conferences:** The student chapter participated to the "Journée des Sciences de la Terre" held at the Université Laval, March 24 2005. We presented an exhibit about the Metallogeny of Minas Gerais, in Brazil, that we visited during our field trip (February-March 2005). Moreover, the chapter sponsored a special session on economic geology and offered a prize to the best talk. Ms. Julie Bernard, an active member of our chapter was the recipient of this prize. She presented a lecture on the origin of hematite breccias, from the Mont-de-l'Aigle IOCG deposit (Gaspé peninsula).

**Field trips:** In late February and early March 2005, we organized a field trip in the state of Minas Gerais, in Brazil. This trip offered an overview of the metallogeny of the most important mining state of Brazil, « Quadrilátero Ferrífero ». The fieldtrip was led by Dr. Alexandre R. Cabral. Twelve students and chapter members had the opportunity to learn more about the mineral resources of this region through the visit of seven mines representing five different ore deposits (Gold and topaze, iron-gold-palladium-talc, gold-palladium-platinum and emeralds, diamonds).

## **Fundraising**

The Université Laval-INRS-ETE Student Chapter had great support from different companies and institutions in 2004-2005, including the Society of Economic Geologists, the Département de géologie et de génie géologique de l'Université Laval, the INRS-ETE, SOQUEM inc., the Université Laval organizations (AESGUL, AELIES, ADSEG, SPLA, AESTIES), DIVEX, SODEMEX, AEMQ, Ressources Sirios inc., Exploration Dios, Virginia, and Agnico Eagle

## **Planning for 2005-2006**

During the year 2005-2006, we are confident that the Student Chapter will continue to be very dynamic, offering to members a great range of exciting activities. First, a special committee is now preparing a short course on Volcanogenic Massive Sulfide deposits to be held in November 2005 at Laval University. This activity will help raise funds to subsidize activities such as meetings, conferences and a planned field trip to British Columbia or Peru in February 2006. During the autumn 2005, we will organize a visit at the Mont Saint-Hilaire quarry, a famous mineralogical locality and at Gilbert. For the fifth time, we will participate to the “Journée des Sciences de la Terre” at Laval University in March 2006 by organizing an Economic geology special session and offering a prize for the best presentation. Furthermore, we will invite the 2006 Thayer Lindsey Lecturer to share his knowledge on economic geology with the students and the scientific community. Finally, we plan to participate to the SEG student chapter conference on May, 2006.

## **Anne-Aurélié Sappin**

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Quebec City, September 26, 2005