

# Montreal SPIE student chapter annual report

## January - December 2008

### A. 2008 Chapter Officers

<b>President:</b> David Rioux	david.rioux@polymtl.ca
<b>Vice-President:</b> Mathieu Maisonneuve	mathieu.maisonneuve@polymtl.ca
<b>Secretary:</b> Sébastien Besner	sebastien.besner@polymtl.ca
<b>Treasurer:</b> Mathieu Maisonneuve	mathieu.maisonneuve@polymtl.ca
<b>Advisor:</b> Michel Meunier	michel.meunier@polymtl.ca

### B. Our members

Total number of members: 17

Name	Expires	Name	Expires
David Banville	31-Oct-09	Mathieu Maisonneuve	31-Mar-09
Sébastien Besner	31-Mar-09	Antoine Moevus	30-Sep-09
Eliot Bolduc	30-Sep-09	David Rioux	31-Mar-09
Etienne Boulais	31-Mar-09	Gargi Sharma	31-Jan-09
Felix Bussieres	31-Mar-09	Kanwarpal Singh	31-Aug-09
Julie Fantoni	30-Apr-09	Helgi Skulason	31-Jan-09
Remi Lachaine	31-Oct-09	Amirhossein Tehranchi	30-Jan-09
Pierre Lafrance	30-Sep-09	Kuo-Ting Wu	31-Aug-09
Patrick Lavoie	30-Sep-09		

## **C. Report of activities held during this time period**

### 1. SPIE Meetings:

A first meeting was held on February 18<sup>th</sup> to make the assessment of the year 2007 and to elect the new executive team. During the second half of this meeting, we discussed on various activities that could be held during the year 2008.

A second meeting was held on June 5<sup>th</sup> to discuss the activities planned for the summer. We discussed the different possibilities for the recruitment activities and for the organisation of a workshop on biophotonics.

Another meeting was held on October 24<sup>th</sup> to welcome new members we recruited during the year and to discuss the activities planned for fall. The focus was given on selecting the organizers for the different activities and the date at which these will be held.

### 2. Social lunch:

We had many of our members from different institutions over in Polytechnique for lunch, before we held the meetings on June 5<sup>th</sup> and October 24<sup>th</sup>. We had a great time while advancing our goals in terms of networking and discussing SPIE.

### 3. Biophotonics workshop:

In collaboration with École Polytechnique's ISPE (International Society for Pharmaceutical Engineering) student chapter, we began the organisation of a two day biophotonics workshop that was to be held in November. However, because of organisation issues, we had to delay the workshop to February 2009.

The workshop will be held on February 5<sup>th</sup> and 6<sup>th</sup> 2009 in École Polytechnique de Montréal. This will be a two-part workshop:

\* The first part is composed of academic presentations from teachers of École Polytechnique and other institutions around Montreal where the participants will be presented the new research and applications going on in the field of biophotonics.

\* The second part is composed of industrial presentations about the products and solutions in photonics and biophotonics. These talks will be given by invited speakers from industries in the field of biophotonics around Montreal.

No less than seven distinguished speakers have already accepted our invitation to give a lecture, four teachers and three speakers from the industry.

The lectures of the first day will be followed by a wine and cheese event, during which the participants will be invited to network with each other and discuss with the different speakers from the day. A poster contest will also be organized during the wine and cheese event.

#### 4. Recruitment:

In spite of some member departures because of the end of their studies, we were able to keep a good number of members due to the addition of seven new members to the chapter with the help of the different activities we organized.

The main recruitment activity was a very successful BBQ that we organized to promote the activities of the chapter. We served hot dogs and soft drinks to the students as we explained to them the goals and activities of the chapter as well as the benefits they get for being members of the SPIE.

As a direct result from this activity, we recruited 6 undergrad students in the chapter. These students will serve as a long term core of members for the chapter.

#### 5. Outreach activities:

One of the main goals of our student chapter is to promote science to high school students. We have made presentations about electromagnetism and optics on March 25<sup>th</sup> in a school from the region of Montreal.

Because of the great success of this presentation, we were invited to give another presentation in this school on November 24<sup>th</sup>. This time again, the presentation was a great success and we are already invited to give more presentations next year.

We will also contact more teachers to give presentations in more schools in the region of Montreal. We are also developing new demonstrations and improving some of the old ones.



## **D. Future activities**

### 1. Social activities:

It will include members and their friends, in order to promote the student chapter and recruit more members. We will continue the recruitment BBQ at the beginning of the fall semester.

### 2. Optical Pizza:

During the next time period we plan to organize optics talks to be given by distinguished researchers in different fields of optics. These lectures will be complemented by free Pizza for all the participants.

### 3. Industrial visits:

This year, in collaboration with the SPIE chapters of Laval and Ottawa, we will plan visits to industries relevant to optics in different regions of the province of Quebec and Ontario.

### 4. Outreach activities in high schools:

We plan to continue giving presentations in schools to interest students in sciences, mostly in physics and optics. We will try to contact more schools in which to give the presentations.

### 5. Biophotonics workshop:

As described in this report, the biophotonics workshop will be held on February 5<sup>th</sup> and 6<sup>th</sup> 2009.

### 6. Photonics Toolkit event:

In collaboration with Université Laval's SPIE student chapter, we will participate to the Photonics Toolkit event that will be held on March 5<sup>th</sup> and 8<sup>th</sup> 2009 in Quebec City. The tutorial on LabVIEW will be given by one of our members and the chapter will also help financially to the expenses of the event.

## **E. Budget statement**

Our Budget is done in Canadian dollars, but we present it converted to today's exchange rate in US \$.

Beginning balance: \$ 254.34 = \$us 212.34

Revenues: \$ 1392.76 = \$us 1162.79

- SPIE grant: \$890.94 = \$us 743.83
- SPIE collaborative event grant: \$ 247.48 = \$us 206.62

Expenditures: (\$ 368.13) = (\$us 307.34)

- Recruitment BBQ (food): (\$ 144.25) = (\$us 120.43)
- Recruitment BBQ (equipment): (\$ 53.25) = (\$us 44.46)
- Pizza meeting (June 5<sup>th</sup>): (\$ 53.88) = (\$us 44.98)
- Outreach activities purchases: (\$ 48.75) = (\$us 40.70)
- Pizza meeting (Oct. 24<sup>th</sup>): (\$ 68.00) = (\$us 56.77)

Ending balance: \$ 1024.63 = \$us 855.44