MIAE Student Newsletter

We hope everyone’s courses have going well and that you have all been having a fun and exciting semester. The MIAE student executive committee has been working hard trying to organize upcoming events and to support design teams that will expand on McGill’s aerospace opportunities.

MIAE Social

Get ready for the MIAE social dinner next week! Enjoy delicious Asian cuisine on us and network with other students interested in aerospace. This gives you a chance to share your aerospace internship experiences with one another. In addition, you can meet the MIAE’s Industry Advisor, Dr. Jean Colpin, Prof. Stephen Yue, the Director of the MIAE, and Linda Chernabrow, MIAE’s Administrative Assistance and Internship Liaison.

To RSVP please contact Tamara at tamara.barbouti@mail.mcgill.ca
If you are unable to attend, please notify Tamara immediately.

Restaurant: Buffet Ko La Hin
Address: Golden Square Mile
1240 Stanley
Date: Wednesday, November 28
Time: 6:00 - 8:30 pm. Please arrive on time.

CASI Bombardier Tour

The Canadian Aeronautics and Space Institute (CASI) is back at McGill University with a Bombardier Tour!

The institute is organizing a trip to see the Flight Simulators at Bombardier Aerospace. All students are welcome to the Tour held on:

Date: Thursday, November 29
Bus leaving McGill: 6:00pm
Bus returning to McGill: 10:00pm
Address: 2351 Boul Alfred-Nobel
Montreal, QC, H4S 2A9

Transportation will be arranged by the MIAE. Pickup location will be announced soon.

At the visit, you will meet CASI representatives and Bombardier Engineers at the plant who will be more than willing to introduce students to flight simulation aspects of the Aerospace Engineering discipline.

Spots are limited: email RSVP as soon as possible to:

Aparna Rajasekaran
aparna.rajasekaran@mail.mcgill.ca
**David Florida Lab Tour**

*Tentative: January 25, 2013*

The David Florida Laboratory (DFL) is Canada’s world class spacecraft assembly, integration and testing centre located in Ottawa. It is named in honour of one of Canada’s pioneers in space research, C. David Florida. The DFL is maintained and operated by the Canadian Space Agency. In January, we will be taking a day trip to visit this lab, the testing facility and the clean rooms. There will also be a presentation by one of the test engineers. Before coming back to Montreal, we will stop for supper. Space is limited to 30 people, and registration will require your name and citizenship. For non-Canadian citizens, a photocopy of your main passport page will be required due to security reasons. More information on how/when to register will be provided in the coming weeks. There is also a possibility of visiting the wind tunnel testing facilities of the National Research Council. Stay tuned!

**Colloquium Talk**

The Department of Mechanical Engineering is hosting its next Colloquium talk. The presentation will describe proposed composite primary structure applications for heavy lift launch vehicles and will be given by Dr. Mark Shuart, a Research Professor in the Department of Materials Science and Engineering at Virginia Tech who currently serves in an IPA position as the Senior Advisor for Composites & Structures at the NASA Langley Research Center.

**Location:** Macdonald Engineering, rm267  
**Date:** Thursday, November 29  
**Time:** 1:30 - 2:30 pm

**SAE Air Cargo Design Team**

Is Aerospace your passion? Are you looking for an opportunity to excel on an Aircraft design project that would propel you towards exciting career in Aerospace Industry?

The MIAE is recruiting members for the highly coveted SAE Aero Design. Engineering students from all levels are welcome to contact us to join the project.

For details, contact: ramzi.kaiache@mail.mcgill.ca

**Engineers-in-Action**

The McGill Engineering Student Centre and MIAE will be co-hosting this years Engineers-in-Action Speaker Event. As part of the event, we have invited Taryn Tomlinson from the Canadian Space Agency to speak on Thursday, January 24th 2012 at 5:30 pm (FDA 5). Posters and student sign-ups will be available later this semester.
Caltech Space Challenge
The Caltech Space Challenge is a 5 day student mission design competition. In 2011, 32 students were selected from the 270+ applicants (both domestic and international), and divided into two teams. Each team of 16 then had to design a manned mission to a near-earth object. This year, each team is going to be tasked with designing a manned mission to a Martian moon.

The teams also receive lectures from leaders in the space industry (JPL, NASA, Lockheed, etc) and receive guidance from mentors throughout the week. More information about this year's competition can be found at www.csc.caltech.edu. The competition is open to both undergraduate and graduate students.

The deadline to apply is December 15th 2012 and the competition will be held from March 25th to March 29th 2013.

Registration
Know any friends interested in aerospace? If so, they can now apply to join the MIAE and participate in various events and activities catered to those passionate about Aerospace Engineering! Registration will remain open until further notice.

For more information concerning the group and the application process, please refer them to http://www.mcgill.ca/miae/.

To keep up to date on upcoming MIAE and Aerospace Engineering events, continue following future MIAE Student Newsletters as well as visit the official MIAE website http://www.mcgill.ca/miae/ which will be updated regularly.

We hope to see you all soon at the upcoming events! Good luck on your finals.

Fabio Gatti
VP Communications
McGill Institute for Aerospace Engineering