



## Highlights:

I: FoS Lecture 2 –  
November 29, 2007

II: Symposium:  
Lunar Exploration –  
January 25, 2008

III: ASX Elections  
(November 8, 2007)  
Results

Dear Astronomy and Space Enthusiasts,

The Astronomy and Space Exploration Society (ASX) at the University of Toronto would like to share with you several exciting announcements (see below).

Please feel free to visit our website at <http://asx.sa.utoronto.ca/> for more information about ASX or our upcoming events.

Clear Skies,  
ASX

## I. 5th annual “Faces of Space” (FoS) Lecture Series – Lecture 2

The UTIAS Space Flight Laboratory –  
Satellite Development at the University of Toronto

### DATE & TIME:

Thursday, November 29th, 2007, 7:00 PM (Doors open at 6:30 PM)

Admission is **FREE**

### LOCATION:

University of Toronto, St. George Campus, 40 St. George St.  
Bahen Centre for Information Technology, Room. 1130 (BA 1130, room on the right beside the entrance)

Campus map:

<http://rrs.osm.utoronto.ca/map/f?p=110:1:776015805415755764>

### SPEAKERS:

- **Daniel Kekez**  
University of Toronto Institute for Aerospace Studies, Space Flight Laboratory (UTIAS SFL), Staff Member  
*Electronics Engineer*

**Subject:** The CanX Nanosatellite Saga

SFL, composed of about 20 Masters students and staff members, develops and builds Nanosatellites, from concept to launch. Current CanX missions include CanX-2, BRITE, CanX-4 and CanX-5. CanX-2 is scheduled for launch in January 2008 from India. These nanosatellite provide different Universities like UofT, University of Calgary and Carlton U, to perform valuable science for a fraction of the cost of conventional satellites. These missions include formation flying demonstration, photometric observations of stars, and new hardware testing and validation.

## FoS SPEAKERS, continued:

- **Benois Larouche**  
*Masters Student, Structural Engineer*

**Subject:** Lunette: Mission for Gravity Mapping of the Moon

Collaborating with the European Space Agency (ESA), a mission to map the gravity wells of the Moon is under study. Lunette, a small nanosatellite being developed by SFL, will hitch a ride aboard the ESMO Orbiter developed by ESA to detect gravity variations using a high sensitivity instrument. The results will greatly enhance our current understanding of the gravity map of the Moon.



U OF T'S SATELLITE BUILDERS

FACES OF SPACE LECTURE 2 - SPACE FLIGHT LAB

NOVEMBER 29TH, 2007, 7PM @ BA1130

(BAHÉN CENTRE, 40 ST. GEORGE ST.)

**DANIEL KEKEZ:**  
Grad. Master, Lecturer's Assistant  
"THE CANX NANOSATELLITE SAGA"

**BENOIS LAROUCHE:**  
Masters Student, Structural Engineer  
"LUNETTE: MISSION FOR GRAVITY MAPPING OF THE MOON"

PRESENTED BY:  

PROUDLY SPONSORED BY:     

If you are interested in volunteering at this event, please inform us by e-mail to [space.society@utoronto.ca](mailto:space.society@utoronto.ca) with "Volunteer" in the subject line.

Please note that this event is open to everyone, including ASX members, non-members and the general public. So feel free to forward this exciting news to others.

If you are planning to attend this event, please RSVP to [space.society@utoronto.ca](mailto:space.society@utoronto.ca). If, on the other hand, you cannot make it out to the event, we hope that you are able to attend another one of our many events over the course of the year

## II. 5th annual "Expanding Canada's Frontiers" Symposium – Lunar Exploration

### DATE & TIME:

Friday, January 25th, 2008, 7 PM (Doors open at 6:30 PM)

### TICKETS:

FREE for students (with ID), \$20 for Public

### LOCATION:

TBA

### SPEAKERS:

- **Prof. Ariel Anbar**  
Arizona State University  
**Subject:** The Connection between the Known Early Earth and the Lunar Exploration Program
- **John Connolly**  
Lunar Lander Project Office of NASA  
**Subject:** Lunar Mission Design
- **Dr. Robert Richards**  
Space Division at Optech Incorporated

**Subject:** The New Race to the Moon



## III. ASX Election (Nov. 8, 2007) Results – positions determined:

CO-PRESIDENT: Raluca David, Derek Lee  
VICE PRESIDENT: Farnaz Ghadaki  
FINANCIAL DIRECTOR: Vivian Kao  
PROJECT DIRECTOR: Guy de Carufel  
OUTREACH DIRECTOR: David Rajzman  
COMMUNICATIONS DIRECTOR: Elnaz Ghasemi  
MARKETING DIRECTOR: Matthew Roher  
OBSERVING DIRECTOR: Janet Li  
SECRETARY: Jimmy Vuong