Institution of MECHANICAL ENGINEERS

Central Canada Branch

http://nearyou.imeche.org/ccb

2015/16 PROGRAMME: Annual Meeting, Dinner & Lecture

Would an Anti-apple Fall Up?

SPEAKER: Scott Menary PhD, Professor of Physics, York University

DATE: **Friday April 8, 2016**

TIMING: **Reception from** 6:00 pm, **6:15 pm CCB Members attend Annual Meeting in adjacent room,** Dinner will be served at 7:00 pm; Lecture starts at 8:15 pm. *Additional members are sought for our Branch committee.*

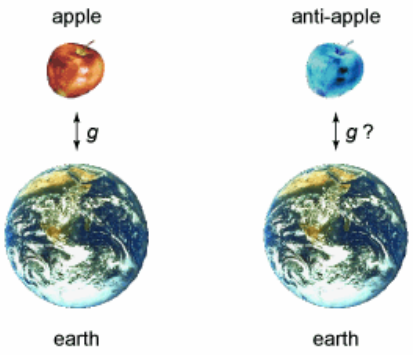
COST: $25 for members / guests. Cash or cheque only please

WHERE: Novotel Hotel, 3 Park Home Avenue, North York, Ontario, M2N 6L3

DIRECTIONS: See map overleaf. Parking vouchers will be given out at the event

REGISTRATION: Please contact Peter Dennis at hon-treasurer@imeche-ccb.org or at (647) 821-1474

OUR SPEAKER **S**cott Menary is an experimental particle physicist. He graduated with an Engineering Physics degree from Queen's University and a PhD in physics from the University of Toronto. He has been a CERN Fellow, a Research Associate with the University of California, Santa Barbara, a Staff Scientist at Fermilab, and is presently a Professor of Physics at York University in Toronto. He has been involved in experiments performed at the electron-positron colliders CESR at Cornell and LEP at CERN as well as the positron-proton collider HERA at the DESY Laboratory in Hamburg. He worked on the design of the NuMI neutrino beam facility at Fermilab outside Chicago and he was one of the original members of the BTeV proton-antiproton collider experiment at Fermilab. Presently he concentrates his efforts on the ALPHA antihydrogen trapping experiment operating at the Antiproton Decelerator facility at CERN.



He spoke to the Branch back in December 2010, and has a number of updates to bring us related to work completed since that date.

Abstract:

The strength and sign of the gravitational interaction between matter and antimatter (so-called "antigravity") is still an open experimental question. I will discuss some arguments for and against antigravity as well as recent measurements which shed light on the issue. Finally, I will describe planned antigravity experiments involving antihydrogen with an emphasis on the experiment I am involved with - the ALPHA antihydrogen trapping experiment at the CERN Laboratory in Geneva.

Directions:- see over

Novotel North York

3 Park Home Avenue
NORTH YORK
M2N 6L3 TORONTO
CANADA
Tel (416) 733-2929
Fax (416) 733-3403
E-mail novotel.northyork@accor.com

Location & access

GPS. N 43° 46' 9.07" W 79° 24' 47.03"

Directions

From Pearson Airport, follow Hwy 401 E., exit for Yonge Street N., follow 6 traffic lights then turn left onto Park Home Ave. The hotel and parking garage are on the left. From E. Ontario, Ottawa or Quebec, follow Hwy 401 to Toronto W., exit for Yonge Street N to Park Home Ave. From Niagara Falls, Buffalo, Rochester and the US, follow the QEW to Hwy 427 and head N. to Hwy 401 east, follow the same directions as from the airport.

- **Parking :** Public outdoor parking - Public indoor parking (paying) - Private indoor parking (paying)
- **Airport :** PEARSON INTL AIRPORT
- **Railway Station :** VIA/UNION STATION
- **Underground station :**

Line	Station
YONGE	NORTH YORK CENTR

- **Bus :**

Line	Station
YONGE	NORTH YORK CENTR