

**The ASME Ontario Section:
UOIT's Borehole Energy Storage System Tour
Tuesday 27 March, 2007 at 5:30 pm**

The ASME Ontario Section are pleased to invite you to visit the Faculty of Engineering and Applied Science of the University of Ontario Institute of Technology on Tuesday 27 March, 2007 starting at 5:30 pm, followed by a site tour of UOIT's Borehole Energy Storage System. ***The UOIT borehole thermal energy storage project is unique in Canada in terms of the number of holes, capacity, surface area, technology, etc.*** Borehole thermal energy storage, which is similar to the borehole geothermal system, involves storage and provides for both heating and cooling on a seasonal basis. Large-scale storage systems, comparable to the UOIT one, have been implemented at Stockton College in New Jersey and in Sweden.

The evening will start with:

A presentation on Mechanical Engineering and related areas at UOIT (5:30 pm-6:15 pm) by Dr. Marc Rosen, Professor and Dean Faculty of Engineering and Applied Science - UOIT who has kindly agreed to this ASME visit to the UOIT. The Faculty of Engineering and Applied Science at UOIT having opened in September 2003, are in the process of building an internationally competitive Faculty. The presentation will cover undergraduate and graduate engineering programs, research, faculty and facilities, and accomplishments in less than four years of being open to students.

This will be followed by:

The tour of UOIT's Borehole Energy Storage System (6:15 pm-7:00 pm)

The borehole thermal storage system is a critical component of the university's heating and cooling system, and helps keep costs down and efficiency up. All very relevant in this era of energy conservation. The system features a geothermal well field with 384 boreholes, each 213 metres deep. Details on the system can be found at <http://www.engineering.uoit.ca/facilities/borehole.php>

Light refreshments will be served.

Fees: Free for members, \$10 for non-members (professional), \$5 for non-members (Student)

To register for the event, please contact Charlene Tung at tungc2@asme.org Numbers are limited so please notify your planned attendance by March 23 (Friday).

Directions:

The UOIT Campus is located:

Directions to the University of Ontario Institute of Technology

Driving from Toronto, via Hwy. 401:

Hwy. 401 east to Thickson Road.
North on Thickson to Conlin Road.
East on Conlin to Simcoe Street North.
The University is located on the corner of Simcoe and Conlin.

Driving from Toronto, via Hwy. 407:

Hwy. 407 east to the end of the highway.
Continue straight along Hwy. 7, which becomes Winchester Road.
East on Winchester to Simcoe Street.
South on Simcoe to Conlin Road.
The University is located on the corner of Simcoe and Conlin.
A map to the UOIT can be found at:

<https://connect.uoit.ca/uoit/events/locator.jsp>

Parking is available in Founder's Parking Lot No. 3