

Links to Computing Day at York University

Wednesday, December 9, 2009
9:30am - 2:15pm

YOU ARE INVITED!

Science & Engineering at York University is pleased to invite you and your Grades 11 and 12 Computer Science and Computer Engineering and Grade 12 Mathematics students to the York Links to Computing Day. The day will consist of presentations by Professors that directly link the subject of mathematics taught in high school to developments in computing, engineering, and digital media, as well as tours of robotics, computer vision, virtual reality, graphics, and interactive systems research laboratories.

The morning will consist of two presentations, followed by a lunch break. In the afternoon, tours to the Computer Science & Engineering facilities are arranged followed by an additional presentation.

Presentations

**What is computer science?
Does it have an intellectual
dimension or is it only about
technology?**

Hamzeh Roumani, PhD
3M National Teaching Fellow

To answer these questions we will take a journey that starts with highlights of this field and then contrasts it with other sciences. From there, we take a tour of the computing universe, from hardware to software, and then touch upon careers and research in computing related areas.

**Fundamentals of Internet-based
Multimedia Communications**

Natalija Valajic, PhD, P.Eng.

In this talk, major aspects of Internet-based multimedia communications will be introduced, including: Graphic/image data representation; Basic image/video compression standards (lossless and lossy compression); Basic audio compression techniques; Basic concepts of Internet (IP/TCP) networking, and; Internet multimedia protocols.

**Reflections On 3D User
Interfaces**

Wolfgang Stuerzlinger, PhD

Three-dimensional (3D) User Interfaces are touted as a potential way of making computers easier to use. The presentation investigates this vision from different perspectives and includes comparisons with current user interfaces.

how to register:

- 1 Registration will be limited to grade 11 and 12 Computer Science/Engineering classes, and any grade 12 Math classes.
- 2 Deadline: Wednesday, November 25th, 2009. Register online at science.yorku.ca/links2computing or fax the attached form. Due to space limitations, we cannot guarantee that your school will be able to attend even if the form is received by the deadline; requests are handled on a first-come, first-served basis so please don't delay.
- 3 For further information, please contact kangel@yorku.ca or call 416 736-5151. Maps and detailed information will be sent to registered schools.