Engineering Student Health and Safety Teaching Modules

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Minerva Canada, an associate member of the CEEA, is a not-for-profit organization focused on advancing Health and Safety (H&S) taught in Canadian Engineering and Business Schools.

In 2013, Minerva Canada initiated the development of eleven H&S teaching modules for engineering students with the help of 8 universities and with industry advisors for each module. Some of these modules shall be presented as part of a 3-hour afternoon session during the CEEA Conference.

A presentation will first be provided on the background behind these modules, the modules being developed in the first two phases including those in 2014, the universities and organizations involved, proposed templates for each module, how they may be integrated into existing courses and where they will be housed for use by universities. These discussions will then be followed by presentations on some of the modules that will discuss their learning objectives, their content including student quiz, course integration methods of these modules and some initial feedback from student users. The presenters on the following will provide brief abstracts to the CEEA 2014 organizers.

- Risk Management --- TBN, Laurentian University
- Hazard and Risk Identification -- Graeme Norval, Department of Chemical Engineering and Applied Chemistry, University of Toronto
- Electrical Safety -- Anis Haque, Electrical and Computer Engineering Department, University of Calgary
- Process Safety Management -- Ralph Buchal, Mechanical and Materials Engineering, Western University
- Engineering Ethics, Public Safety --- Doug Ruth, Associate Dean (Design Education), University of Manitoba