

Location:
 Bahen Building
 University of Toronto
 Toronto, Ontario

Minerva Summer Institute Objectives

1	To facilitate the process of industry, government, associations and academia working together with the ultimate aim of improving safety, health, environment
2	To enable educators to acquire safety, health environment and loss management knowledge, including available resources and how to incorporate topics in
3	To enhance industry, government and associations' awareness of ways to effectively assist universities with respect to resources and support in the field of
4	To provide a vehicle by which the Canadian Society for Chemical Engineering Process Safety Management subject division and Minerva Canada can
5	To provide course work and SHE class teaching materials for integration into existing undergraduate courses; to present opportunities for new areas of
6	To encourage universities to commit to an implementation strategy on coverage of environment, health and safety topics into their teaching programs.

2010 Engineering and Business Summer Institute Agenda

Item	Activity	Who	Time	Duration (hr:min)	Theme
1.0	Monday, May 31, 2010				
1.1	Welcome and Introduction to the 6 Themes	Tony Pasteris - Minerva	8:30 AM	0:15	
1.2	The Road to Zero Strategy for Injury Prevention and the Role of Universities in fulfilling it	Tom Beagan Chief Prevention Officer, WSIB	8:45 AM	1:00	Regulations & Ethics
1.3	Break		9:45 AM	0:15	
1.4	The Fundamentals of Managing Occupational Health and Safety	V. Pakalnis Queen's University Formerly Ontario MOL	10:00 AM	0:45	Regulations & Ethics
1.5	The Worksmart e-campus - an e-learning tool for teaching health and safety	Ann Misetich Ontario Ministry of Labour	10:45 AM	0:30	SHE Teaching Practices and Research
1.6	The Integrated Approach to Safety, Health and Environmental Management Systems and Managed Risk in the Nuclear Industry	Frank Saunders VP Safety and Environment Bruce Power	11:15 AM	1:00	SHE Management Systems
1.7	Lunch		12:15 PM	0:45	
1.8	Going Beyond the Minimum; Process Safety Management How it Differs from Occupational Safety and Why it is Needed	Graham Creedy retired from CIAC	1:00 PM	1:00	SHE Management Systems
1.9	a) Inherently SAFER Design Techniques; Layers of Protection; Process Safety Technology Knowledge b) Short overview of technical regulations/codes & standards for chemical, mechanical, electrical engineers	Manny Marta Process Safety Engineer NOVA Chemicals	2:00 PM	1:00	Safety Technology Regulations, Codes and Standards
1.10	Break		3:00 PM	0:20	
1.11	Prestart Health and Safety Reviews; Common causes of injury Machine Guarding	Gabe Mansour, P.Eng. Provincial Coordinator, Specialized Professional Services MOL	3:20 PM	1:00	Regulations, Codes and Standards Engineering Design
1.12	a) Stories from the trenches - what recent graduates have to say b) Minerva Safety in Design Award	Tony Pasteris	4:20 PM	1:00	SHE Management Systems Engineering Design
1.13	Wrap up		5:20 PM	0:10	
1.14	Break at Hotel		5:30 PM	1:00	
1.15	Reception and Dinner Scott Room, Delta Chelsea Hotel		6:30 PM	1:30	
1.16	Embedding Workplace Health and Safety Design and Culture – How Engineers can Help	Tony Dean Chair - Expert Advisory Panel Occupational Health and Safety Prevention and Enforcement System	8:00 PM	1:00	
2.0	Tuesday, June 1, 2010				
2.1	Hazard and Risk Analysis Systems	Ertugrul Alp, Ph.D., P.Eng. Alp and Associates	8:30 AM	1:00	SHE Management Systems
2.2	Human Factors - what are they and how do they impact design and operations	Steve Burgwin Imperial Oil Canada	9:30 AM	0:45	Engineering Design
2.3	Break		10:15 AM	0:15	
	The General Motors Case Study	Claudio Girolami John Stoyan G.M. Canada	10:30 AM	0:45	SHE Management Systems
2.4	Review of Existing SHE Teaching Resources; SACHE and Minerva; Other Resources; How to Bring Them into the Curriculum;	David Mody, Queen's University	11:15 AM	0:45	SHE Teaching Practices
2.5	Lunch		12:00 PM	0:45	
2.6	Workshop "What resources are needed to get more Health and Safety and Risk Management material into the curriculum"		12:45 PM	1:00	SHE Teaching Practices
2.7	Panel Discussion - Setting the Stage for More University Engineering Education in Safety, Health and Environment	Graeme Norval University of Toronto	1:45 PM	0:45	SHE Management SHE Teaching Practices and Research
2.8	Closing Remarks and Wrap Up - Review of Summer Institute, and Opportunities for Improvement	Tony Pasteris	2:30 PM	0:30	
2.9	Adjournment		3:00 PM		