

**Location:**  
**Centre for Health and Safety Innovation**  
**5110 Creekbank Road**  
**Mississauga , 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 and loss management in the workplace and to demonstrate the role of SHE (Safety, Health and Environment) management in corporate effectiveness and profitability
2	To enable educators to acquire safety, health environment and loss management knowledge, including available resources and how to incorporate topics in their curricula
3	To enhance industry, government and associations' awareness of ways to effectively assist universities with respect to resources and support in the field of safety, health environment and loss management
4	To provide a vehicle by which the Canadian Society for Chemical Engineering Process Safety Management subject division and Minerva Canada can support universities on a continuous basis with respect to integration of topics into the undergraduate curriculum.
5	To provide course work and SHE class teaching materials for integration into existing undergraduate courses; to present opportunities for new areas of research and publication including the possibility of new grant funding opportunities via Minerva case studies
6	To encourage universities to commit to an implementation strategy on coverage of environment, health and safety topics into their teaching programs.

## 2009 Engineering Summer Institute Agenda

Item	Activity	Who	Time	Duration (hr:min)	Theme
<b>1.0</b>	<b>Monday, May 25, 2008</b>				
1.1	Welcome and Introduction to the 6 Themes	<b>Tony Pasteris - Minerva</b>	8:00 AM	0:15	

1.2	Safety in Universities - Leading by Example	<b>Dr. Reza Moridi - Parliamentary Assistant to the Minister of Training, Colleges and Universities</b>	8:15 AM	1:00	Regulations & Ethics
1.3	The Fundamentals of Managing Occupational Health and Safety	<b>V. Pakalnis Formerly Ontario MOL</b>	9:15 AM	1:00	Regulations & Ethics
1.4	Break		10:15 AM	0:15	
1.5	On the Road to Zero - A Business Case for Health and Safety and Young Worker Education	<b>Sue Boychuk Ontario Ministry of Health Promotion</b>	10:30 AM	1:00	SHE Teaching Practices and Research
1.6	Going Beyond the Minimum; Process Safety Management How it Differs from Occupational Safety and Why it is Needed	<b>Graham Creedy - CCPA</b>	11:30 AM	1:00	SHE Management Systems
1.7	Lunch		12:30 PM	0:45	
1.8	Management of Change	<b>Syed Ahmed Sr. Process Safety Engineer Imperial Oil</b>	1:15 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	<b>Manny Marta Process Safety Engineer NOVA Chemicals</b>	2:15 PM	1:15	a) Safety Technology b) Regulations, Codes and Standards
1.10	Break		3:30 PM	0:20	

1.11	a) Stories from the trenches - what recent graduates have to say b) Minerva Safety in Design Award	a) <b>Maureen Wong - Imperial Oil</b> b) <b>Nerina Mariathas, Digital Specialty Chemicals</b> c) <b>Tony Pasteris - Minerva</b>	3:50 PM	1:00	a) SHE Management Systems b) Engineering Design
1.12	What is Missing in Health and Safety Education Today	<b>Sophie Dennis, Ontario MOL</b>	4:50 PM	0:20	
1.13	Wrap up		5:10 PM	0:10	
1.14	Break at Hotel		5:20 PM	0:40	
1.15	Dinner at Marriott Hotel		6:00 PM	1:30	
1.16	Panel Discussion - "What is Missing in Health and Safety Education Today"; Tony Pasteris - Moderator	a) <b>Marcel Poulliot - Trimac</b> b) <b>Mauren Shaw - IAPA</b>	7:30 PM	1:00	
<b>2.0</b>	<b>Tuesday, May 26, 2009</b>				
2.1	Review of Existing SHE Teaching Resources; SACHE and Minerva; Other Resources; How to Bring Them into the Curriculum; Panel Discussion - Setting the Stage for More University Engineering Education in Safety, Health and Environment	<b>David Mody, Queen's Graeme Norval UofT</b>	8:00 AM	1:00	SHE Teaching Practices
2.2	Hazard and Risk Analysis Systems	<b>Ertugrul Alp</b>	9:00 AM	1:00	SHE Management Systems
2.3	Risks of Nanotechnology	<b>Renzo Dalla Via</b>	10:00 AM	0:30	Safety Technology
2.4	Break		10:30 AM	0:20	
2.5	Don't Reinvent the wheel - resources at CCOHS and IAPA	<b>IAPA Library and Resources</b>	10:50 AM	1:00	SHE Teaching Practices and Research
2.6	Lunch		11:50 AM	0:45	
2.7	General Motors Case Study - The Importance of Leadership to Drive Safety Improvement	<b>Claudio Girolami Engineering Director General Motors</b>	12:35 PM	0:30	SHE Management SHE Teaching Practices and Research

2.8	Workshops: How is Safety Currently Taught?; Feedback from 2008 SI; What is Needed to Bring it more Fully into the Curriculum (elearning as a tool to Assist); How can this be Expanded to Other Disciplines	<b>Laura Romero-Zerón</b> <b>UNB</b> <b>Renzo Dalla Via, IAPA</b> <b>Graeme Norval, UofT</b>	1:05 PM	2:00	SHE Teaching Practices
2.9	Closing Remarks and Wrap Up - Review of Summer Institute, and Opportunities for Improvement	<b>Tony Pasteris</b>	3:05 PM	0:30	
2.10	Adjournment		3:35 PM		