

*Safety Orientation:
Departmental Safety Committee*

Milan Maric (chair)
Frank Caporuscio (coordinator)

Dept. of Chemical Engineering
McGill University
Montréal, QC

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Departmental Safety Committee

- Committee formed to oversee safety practices within the department
 - Milan Maric (chair, general chemistry)
 - Frank Caporuscio (coordinator)
 - Luciano Cusmich (electronics, machine shop)
 - Jan Kopyscinski (gases, catalysts)
 - Jean-Luc Meunier (physics-related safety)
 - Richard Leask (bio-related safety)
 - Dany Posteraro (student member)

What We Do

- Administer safety demonstrations for graduate students and undergraduate students
- Perform regular laboratory inspections prior to annual EHS inspections
 - Ensure compliance and correct procedures

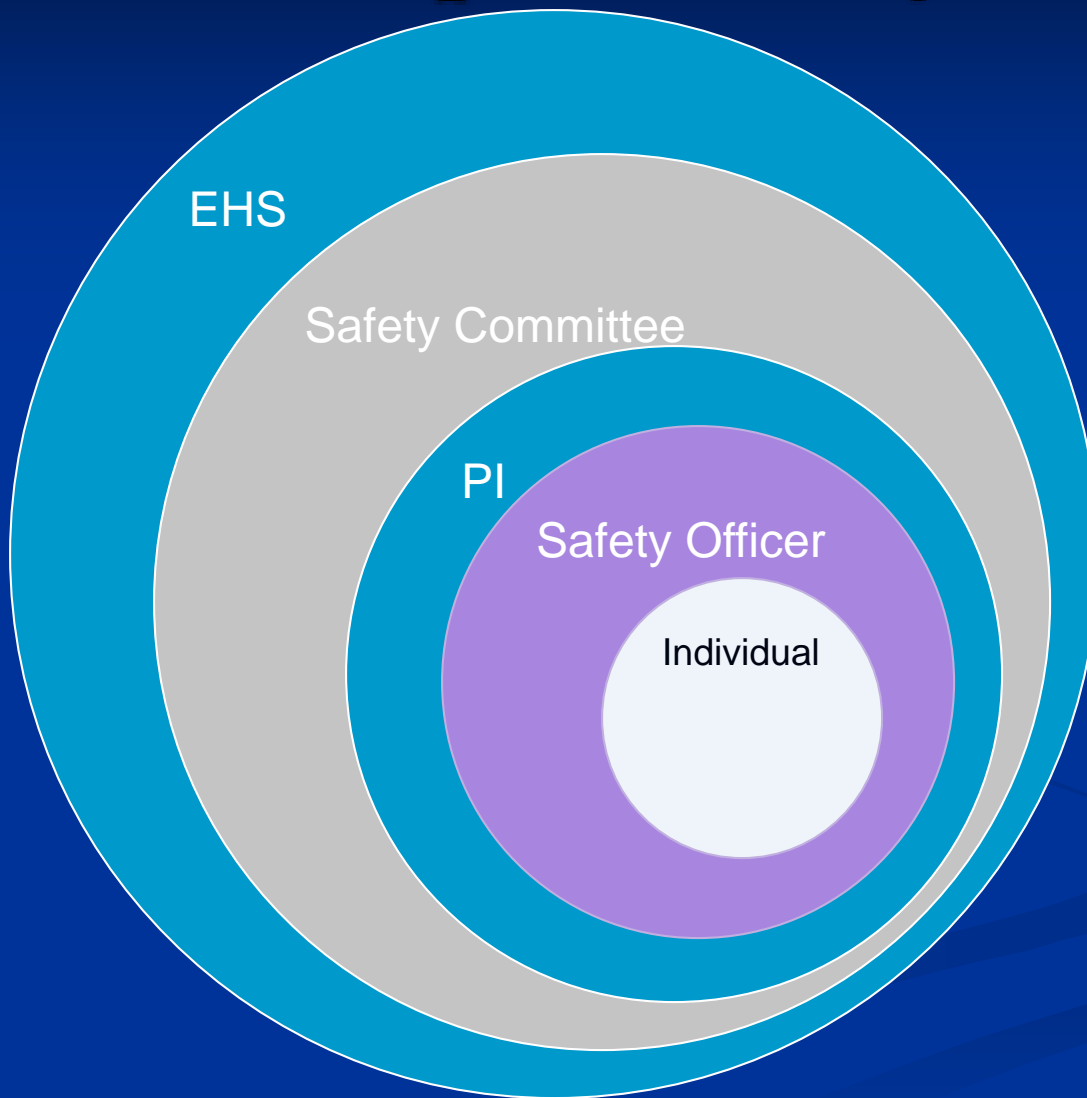
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Responsibility in the Lab

- All personnel, including directors, supervisors, employees and students have a duty to fulfill their obligations with respect to maintaining a healthy and safe work environment.
- We all work together to ensure a safe working environment.

Responsibility



Lab Documentation

- Each laboratory should have:
 - First Aid Kit
 - Up to Date Lab Safety Card and Form
 - Safety equipment for specialized research
 - Laser “on” light, eye protection
 - Biohazard Sign, biosafety cabinet

Laboratory Safety Training

WHIMS

<http://www.mcgill.ca/ehs/training/whmis/#Schedule>

Hazardous Waste Management and Disposal

<http://www.mcgill.ca/ehs/training/hazardwaste/>

Biosafety

<http://www.mcgill.ca/ehs/training/biosafety/>

Laser Safety

http://www.mcgill.ca/ehs/training/laser_safety/

First Aid

<http://www.mcgill.ca/ehs/training/firstaid/>

About CHEE 681 and 682

- What are the requirements for CHEE 681 Lab Safety I?
 - WHMIS training
 - Attending safety orientation presentation
 - Additional safety orientation
 - Gas cylinder safety
- What are the requirements for CHEE 682 Lab Safety II?
 - Pass safety demonstration
- Consult the Chemical Engineering Graduate Students Handbook for deadlines to do CHEE 681 and 682!

Final Comments: Safety First

The Department of Chemical Engineering is committed to providing **a safe laboratory environment** for its faculty, staff, students and visitors. All students must **wear appropriate attire and personal protective equipment** when present in the lab. Students must also **report all accidents, dangerous incidents or suspected occupational illnesses** to their immediate supervisor without delay. You must also **refrain from manipulating any potentially hazardous materials prior to undergoing appropriate safety training** and receiving safety instructions. **Failure to abide by any of these rules will result in your dismissal from the lab** and return only after appropriate safety measures are approved by the supervisor. All students should understand their rights and responsibilities in the laboratory as outlined in the McGill Laboratory Safety Manual.

(<https://home.mcgill.ca/ehs/laboratory/labsafety/>).

Consequences of Unsafe Practices

- <http://pubs.acs.org/isubscribe/journals/cen87/i04/html/8704news1.html>
- Don't let situations like the one happen in our labs!

Consequences of Unsafe Practices



Consequences of Unsafe Practices



Resources

- Documentation found on departmental website
 - Chemical Engineering Safety website
 - Safety questionnaire:
<http://www.mcgill.ca/chemeng/chemeweb/safety/>
- McGill Environmental Health and Safety
 - WHMIS training:
<http://www.mcgill.ca/ehs/training/whmis/>
 - Other training (eg. bio safety, laser safety, hazardous waste disposal): <http://www.mcgill.ca/ehs/training/>
 - Laboratory forms: <http://www.mcgill.ca/ehs/forms/>