2nd Quantitative Microbiological Risk Assessment (QMRA) Summer Institute 2007

Activity Description

This week long summer institute, funded by the Department of Homeland Security, held on the Michigan State University campus aims to teach participants tools and skills to quantitatively assess microbial risk to human health in various situations in the indoor and outdoor environment. The institute will cover various topics including

- Hazard identification & methods for microorganisms detection,
- Exposure assessment & transport and fate,
- Infectious disease transmission modeling,
- Dose response,
- Risk characterization & management,
- Risk communication; what is safe, and
- Computer models for risk assessment".

The faculty members will include world well-known scientists and engineers from the Center for Advancing Microbial Risk Assessment (CAMRA) and guest speakers.

- Dr. Joan Rose, Michigan State University
- Dr. Charles Haas, Drexel University
- Dr. Christopher Choi, University of Arizona
- Dr. Charles Gerba, University of Arizona
- Dr. Patrick Gurian, Drexel University
- Dr. James Koopman, University of Michigan
- Dr. Mark Nicas, University of California Berkeley

Participants will learn how to use risk assessment for assuring safety and health goals, using scientific data and computer analysis.

Overall Goal/Objective of Program

To teach participants tools and skills to quantitatively assess microbial risk to human health in various situations in the indoor and outdoor environment. Participants will learn how to use risk assessment for assuring safety and health goals, using scientific data and computer analysis.

Specific Learning Outcomes for Participants
Participants will be able to obtain fundamental knowledge on quantitative microbiological methods which are now being used to evaluate exposures to infectious agents spread through the environment, including water, surfaces, hands and air and assess the risk of disease spread. These methods can be used to address clean up, hygienic and infectious disease control measures.

Registration Fee
$ 350 (including workbook, ground transportation, breakfast and dinner)

Schedule (*Detail syllabus will be available soon)*
6 pm on August 19th (Sun): Opening Reception
9 am - 9 pm from August 20th (Mon) to 23rd (Thu): Lectures and Projects
9 am -1 pm on August 24th (Fri): Reporting of Projects and Closing Reception

Lectures and Projects
Engineering Bldg, Computer Lab #1328
Michigan State University, East Lansing, MI

Opening and Closing Receptions
Kellogg Hotel & Conference Center
55 South Harrison Road,
East Lansing, MI 48824
Phone: 517-432-4000
http://www.hfs.msu.edu/kellogg/

Accommodation
TownePlace Suites
2855 Hannah Boulevard
East Lansing, Michigan 48823
Phone: 517-203-1000 Ask for discount (code: FIS)
Fax: 517-203-1234
http://marriott.com/hotels/travel/lants-towneplace-suites-east-lansing/

Transportation
Following ground transportations will be provided during the summer institute
- Lansing Capital City Airport (LAN)←→ Hotel
- Hotel ←→ Engineering Bldg
- Hotel ←→ Kellogg Center

Contact Person
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