



## One-day Workshop

# Introduction to Quantitative Microbial Risk Assessment (QMRA)

September 9th, 2007, University of Tokyo, Tokyo, Japan

**Summary:** The goal of this one-day workshop is to introduce researchers involved in infectious diseases and transmission of pathogens in the environment to Quantitative Microbial Risk Assessment (QMRA). Lectures and simple computation exercises on the tools and techniques used to frame QMRA will be given.

**Venue:** Faculty of Engineering Bldg XIV, Room 141 (1st floor). Please be noted that the venue is different from that of HRWM symposium (Yayoi-Kodo auditorium). See map below.

### Instructors:

Dr. Joan B. Rose, Michigan State University  
Dr. Charles N. Haas, Drexel University  
Dr. Charles P. Gerba, University of Arizona  
Dr. Yoshifumi Masago, Tohoku University  
Dr. Tomoyuki Shibata, Michigan State University

### Schedule

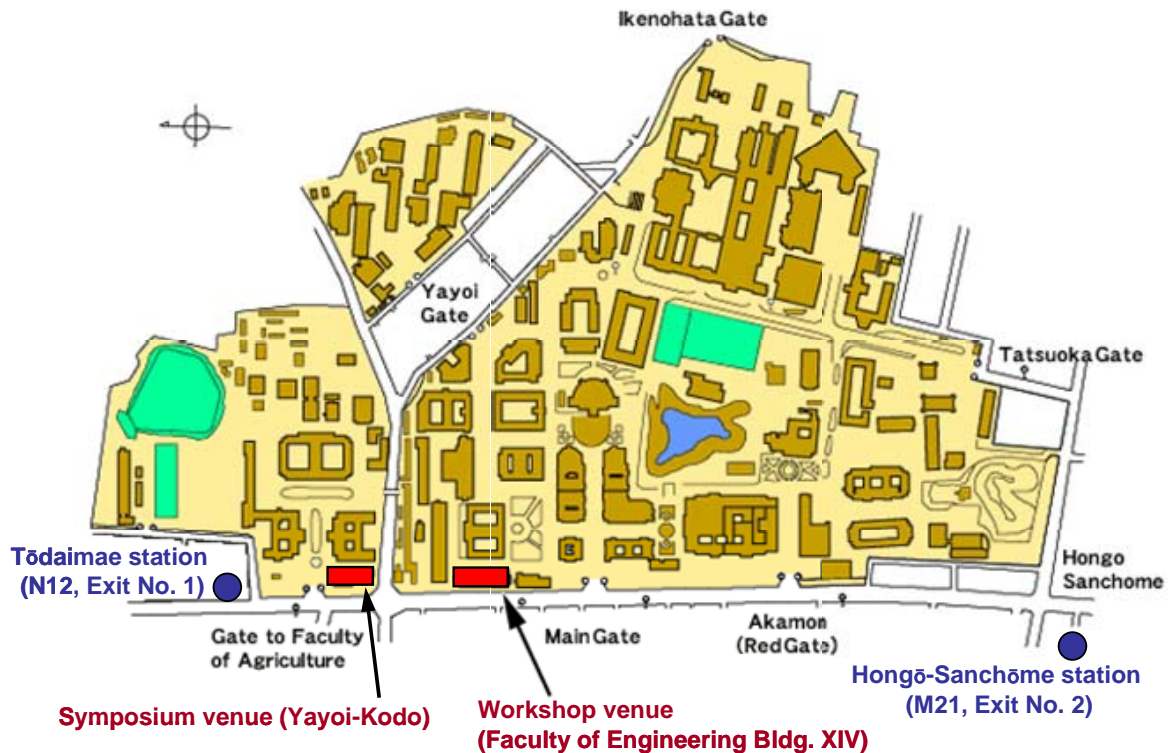
Time	Topics	Instructor
8:30 am	Check-in and Sign-in	
8:50 am	Introductory Comments	Dr. Tomoyuki Shibata
9:00 am	Topic 1: Risk Frameworks, Data Sets and Integration of Microbiological Fields.	Dr. Joan B. Rose
10:00 am	Exercise 1	
10:45 am	Topic 2: Dose-Response Analysis	Dr. Charles N. Haas
12:00 am	Lunch break	
1:00 pm	Exercise 2	
2:00 pm	Topic 3: Exposure Assessment	Dr. Charles P. Gerba
3:00 pm	Topic 4: Risk Characterization	Dr. Yoshifumi Masago
3:30 pm	Afternoon Break	
3:45 pm	Exercise 3	
4:45 pm	Workshop Summary	Dr. Joan B. Rose
5:00 pm	Workshop Ends	

**Registration:** Pre-registration is required due to the limited space. A registration form is available at the Center for Advancing Microbial Risk Assessment (CAMRA) Homepage <http://www.camra.msu.edu>). Please fill out the registration form and email it to Dr. Masago ([masago@water.civil.tohoku.ac.jp](mailto:masago@water.civil.tohoku.ac.jp)) by August 31st. Registration fee (5,000 Japanese Yen per person, cash only) will be collected at the venue to cover handout, workbook, refreshments and lunchbox.

**Requirements:** Participants are recommended to bring their laptops for exercises. Participants are required to be familiar with Excel.

**Questions? Contact:**

Dr. Yoshifumi Masago  
Department of Civil Engineering, Tohoku University  
[masago@water.civil.tohoku.ac.jp](mailto:masago@water.civil.tohoku.ac.jp)



Location of the venue  
Room 141 is located on the 1st floor of the Faculty of Engineering Bldg. XIV