

FALL 2024 | OCTOBER 21-25

INTERNATIONAL RAMP AND MACCS USER GROUP MEETING

North Bethesda, Maryland (outside Washington, D.C.)

Using RAMP Codes and MACCS in a Regulatory Framework

Codes of Interest: RASCAL, VARSKIN, MACCS and more!



Schedule for MACCS

DAY 2 | Tuesday, October 22, 2024

1:00 PM – 5:00 PM

MACCS Workshop I
(In person – Auditorium)
Dan Clayton and Mariah Garcia

DAY 3 | Wednesday, October 23, 2024

9:00 AM – 12:00 PM

MACCS: Presentations
(Hybrid - Auditorium)

9:00 AM – 9:30 AM

Overview of MACCS Status and Development – October 2024
Dan Clayton

9:30 AM – 10:00 AM

Use of National Centers for Environmental Prediction (NCEP) Data to Support Severe Accident Consequence Analysis at Locations Without Onsite Meteorological Data
Dan Clayton and Mariah Garcia

10:00 AM – 10:30 AM

Investigating the Impact of Applying Different Grid Resolutions of NWP Data in Probabilistic Accident Consequence Assessments
Peter Bedwell

10:35 AM – 11:00 AM

Assessment of Current MACCS Capabilities for Modeling Atmospheric Physical and Chemical Transformations
Mariah Garcia

11:00 AM – 11:30 AM

Current Status of Modeling Optimization Studies on Radiological Consequence Analyses At KAERI
Sung-yeop Kim and Seunghwan Kim

11:30 AM – 12:00 PM

COMIDA food-chain model in MACCS: Assumptions and Limitations
Oswaldo Pensado

DAY 4 | Thursday, October 24, 2024

9:00 AM – 12:00 PM

MACCS: Presentations
(Hybrid - Auditorium)

9:00 AM – 9:30 AM

A Study on Radiological Consequence Analysis Using Agent-Based Protective Action Modeling
Gibeom Kim and Sung-yeop Kim

9:30 AM – 10:00 AM

Alternative Methodology for Determining the Efficacy of Iodine Thyroid Blocking
Jia Hao Tang and Sung-yeop Kim

10:00 AM – 10:30 AM

Impact of Sex and Age on Prospective Off-Site Health Risk Assessments of Radiological Accidents at Nuclear Sites
Tom Charnock

10:35 – 11:00 AM

Evaluation of Dose Coefficients Implemented in MACCS
Audrey Nguyen

11:00 AM – 12:00 PM

Demo: MACCS-UI/SecPop/Fogbugz/Download Site
Dan Clayton and Mariah Garcia

12:00 PM – 1:00 PM

Lunch
(On your own)

1:00 PM – 4:30 PM

MACCS Workshop II
(In person – Auditorium)
Dan Clayton and Mariah Garcia