

International MACCS Users Group Meeting (IMUG)
June 10-11, 2019
US NRC Headquarters, Rockville, MD
Room: 3WFN-1C05

Monday June 10, 2019

8:30 am Registration desk opens

Opening Session

9:00 am	Opening Remarks	Mike Case, NRC
9:15 am	Participant Introductions	All
9:30 am	Overview of MACCS Code Development and Applications	Nathan Bixler, SNL

10:30 am COFFEE BREAK

Atmospheric Transport Modeling

10:50 am	MACCS Code Development Plans for Non-LWRs	Jonathan Barr, NRC
11:15 am	Implementation Testing of the New MACCS/HYSPLIT ATD Model on Assignment to US NRC	Chihiro Suzuki, NRA (Japan)
11:45 am	HYSPLIT Inverse Modeling	Tianfeng Chai, NOAA

12:15 pm LUNCH BREAK

Atmospheric Transport Modeling (continued)

1:30 pm	Estimation of Site Surface Roughness Length for Korean NPP Sites	Sung-Yeop Kim, KAERI (Korea)
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Emergency Preparedness Modeling

2:00 pm	The Sensitivity of Weather on Emergency Planning Zone Size Calculations	Todd Smith, NRC
2:30 pm	Results of NRC Research on Evacuation Time Estimates	Sergio Gonzales, NRC

3:00 pm COFFEE BREAK

Consequence Analysis Applications

3:20 pm	VTT Nuclear Safety – Dispersion and Dose Assessment	Mikko Ilvonen, VTT (Finland)
3:50 pm	State-of-the-Art Reactor Consequence Analyses (SOARCA) Uncertainty Analysis Status and Plans	Tina Ghosh, NRC
4:20 pm	Benefits and Uses of the SOARCA Project	Christina Leggett, NRC

4:50 pm ADJOURN

6:00 pm Group Dinner

Tuesday June 11, 2019

Dosimetry and Shielding Modeling

9:00 am	Dose Conversion Factor File Update	Nathan Bixler, SNL
9:30 am	Building Protection Factors for Environmental Exposure to Radionuclides and Monoenergetic Photon Emissions	Elijah Dickson, NRC

10:00 am COFFEE BREAK

Long-Term Protective Actions and Costs

10:20 am	Status Update on the Fukushima Cleanup Experience on Assignment to US NRC	Chihiro Suzuki, NRA (Japan)
10:50 am	A Proposed Approach to Long-term Protective Action and Cost Modeling and Recovery Policy	AJ Nosek, NRC
11:20 am	Status Update on the Valuation of Morbidity Effects for Nuclear Accident Cost-Benefit Analysis	Amy Sharp, NRC

11:45 pm LUNCH BREAK

Multi-Unit Consequence Analysis Modeling

1:00 pm	A Practical Approach for Conducting a Multi-Unit Level 3 PRA	Nathan Bixler, SNL
1:30 pm	Integration of Source Term in Multi-Unit Accident Scenario	Sung-Yeop Kim, KAERI (Korea)

2:00 pm COFFEE BREAK

Code Comparison and Quality Assurance

2:20 pm	MACCS Software Quality Assurance Program	Salman Haq, NRC
2:40 pm	MACCS2 1.13.1 and WinMACCS 3.11.2 Code to Code Comparison Results	Peter Maka, Kinetrics (Canada)

Roundtable Discussion

3:10 pm	Current and Future Consequence Analysis and Level 3 PRA Interests for each Country	CSARP Members Only
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4:10 pm ADJOURN

MACCS Users' Workshop
June 12-14, 2019
US NRC Headquarters, Rockville, MD
Room: 3WFN-1C05
PRELIMINARY AGENDA

Wednesday, June 12, 2019

0.0 MACCS Model Overview	9:00 am
Break	10:45 am
1.0 Atmospheric Transport Modeling	11:00 am
Lunch	12:00 pm
Atmospheric Transport Exercise	1:00 pm
2.0 Model Basics in EARLY	2:00 pm
Model Basics in EARLY Exercise	2:30 pm
Break	3:30 pm
2.1 Cohort Modeling	3:45 pm
First Cohort Exercise	4:30 pm
Adjourn	5:00 pm

Thursday, June 13, 2019

First Cohort Exercise (Cont'd) and Second Cohort Exercise	9:00 am
Lunch	12:00 pm
2.2 Dose and Health Effect Modeling in EARLY	1:00 pm
Dose and Health Effect Exercises	2:00 pm
Adjourn	5:00 pm

Friday, June 14, 2019

3.0 Consequence Modeling in CHRONC	9:00 am
Break	10:30 am
Consequence Modeling Exercises	10:45 am
Lunch	12:00 pm
Consequence Modeling Exercises (Cont'd)	1:00 pm
Break	3:00 pm
SecPop	3:15 pm
MelMACCS	3:45 pm
AniMACCS	4:30 pm
Adjourn	5:00 pm