RELAP5-3D Users Group Meeting

Thursday, 06 October 2016
Residence Inn, 635 West Broadway, Idaho Falls, ID

7:30 – 8:00  Registration

Chairman:  Jim Wolf – INL

8:00 – 8:15  Welcome and Introduction...........................................Wolf – INL
8:15 – 9:00  FLASHback: RELAP at Fifty............................................Martin – BWXT
9:00 – 9:30  Use of Systems Analysis Codes in the Nuclear Industry.......Sharpe – INL
9:30 – 10:00 Modification to the Condensation Model in the Presence….Anderson – INL

of Noncondensables

10:00 – 10:15  Break

Chairman:  Doug Barber – ISL

10:45 – 11:15  Jacobian Matrix Analysis Tool for RELAP5-3D...............Mesina – INL
11:15 – 11:45  A Statistical Method for Benchmarking Nuclear..........McCloskey – BMPC
Using the Automated Code Assessment
11:45 – 12:15  Equation of State for LiPb.........................................Humrickhouse – INL
12:15 – 1:45  Lunch

Host:  James Wolf, 208-526-7725
Meeting Coordinator:  Jackie Stokes, 208-526-1054  Date:  October 3 – 7, 2016
RELAP5-3D Users Group Meeting

Thursday, 06 October 2016

Welcome back

**Chairman: Hope Forsmann – INL**

1:45 – 2:15  RELAP 7 Status............................................................Martineau – INL

2:15 – 2:45  RELAP5-3D two-Phase Behavior and Predictions.......Castelliti – SCK•CEN at Low Pressures

2:45 – 3:15  Thermal-Hydraulic Analysis of a Versatile Coupled..............Davis – INL Test Reactor

3:15 – 3:30  Break

**Chairman: George Mesina – INL**

3:30 – 4:00  LWRS Industry Application 1: A RELAP5-3D/Core/Fuel/Clad...Epiney – INL Coupling Application

4:00 – 4:30  RELAP5-3D Analyses for the US-DOE LWRS/RISMC............Parisi – INL Program, Industry Application #2

4:30 – 5:00  Seismic Loop LOCA with Double-ended Guillotine...............Roth – INL Break at IPT Inlet and Outlet

5:00 – 5:30  RELAP5-3D Simulations of Hot Leg...............................Vanni – Texas A&M Break LOCA Scenarios

6:30  No-Host Dinner

Keefer’s Island Restaurant
Shilo Hotel
780 Lindsay Blvd
Idaho Falls, ID

Note: Lunch not provided
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Chairman: George Mesina – INL

8:00 – 8:30  Program Comparison of RELAP5-3D Manuals to...............Forsmann – INL
Coding for Selected Subroutines

8:30 – 9:00  Update of RELAP5-3D CHF Geometry Correction Factors..........Choi – INL

9:00 – 9:30  PHISICS/RELAP5..............................................................Balestra – INL
International RELAP5 Users Group
Business Meeting

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Chairman: Jim Wolf – INL

9:30 – 9:45  IRUG Business.................................................................Wolf – INL
  • Review of the 2015 Meeting Minutes
  • Election of new IRUG Vice-Chairman
  • Dates for Next Year’s Meeting

9:45 – 10:15 Selected User Problems............................................Anderson – INL

10:15 – 10:30 Break

10:30 – 10:45 Licensing, Status, License Fee Structure, & Export..........Smith – INL
  Control Status
RAVEN Training Workshop

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11:00 – 12:00  RAVEN Overview..........................................................Rabiti – INL
12:00 – 1:00  Lunch
1:00 – 2:00  Uncertainty quantification on a PWR SBO.........................Parisi – INL
2:00 – 3:00  Data Mining on a Spent Fuel Pool accident scenario........Mandelli – INL
3:00 – 3:15  Break
3:15 – 4:15  Reliability analysis on a BWR SBO..................................Alfonsi – INL
4:15 – 5:15  Surrogate modeling for safety analysis applications..........Alfonsi – INL
5:15  Adjourn

Note:  Lunch not provided