International RELAP5-3D Users Group
September 12 – 13, 2013

Residence Inn
635 W. Broadway
Idaho Falls, ID 83402
1-208-542-0000
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Residence Inn, Idaho Falls, ID
Chairman: Jim Wolf - INL

08:00  Registration............................................. Lobby outside Conference Room at Residence Inn
08:30  Welcome and Introductions ......................................................... Jim Wolf - INL

08:45  Architectural Issues and Developments ........................................ George Mesina - INL

09:15  RELAPManager – A B&W mPower Safety Analysis Tool
       for Regulatory Acceptance .................................. Simone Morgan – B&W mPower
09:45  RELAP5-3D Verification/Restart/Backup Testing ....................... George Mesina – INL

10:15  Break

10:30  Developer Guidelines for RELAP5-3D Programming 2013 .......... George Mesina – INL
11:00  Nodal Kinetics Upgrades in RELAP5-3D................................. Douglas Barber – ISL
11:30  User Tool Upgrades – RGUI Station and Pygmalion Status .......... Hope Forsmann – INL
12:00  Lunch
AFTERNOON SESSION CHAIRMAN: Douglas Barber – ISL

13:30 RELAP7 Code Development Status Update and Future Plan .......... Hongbin Zhang – INL

14:00 Improvements in RELAP5-3D Plot Files ............................................... George Mesina – INL

14:30 Verification and Validation of a Single-phase Natural
   Circulation Loop Model in RELAP5-3D ............................... Nicolas Zweibaum – UC Berkeley

15:00 Break

15:15 Overview of the RELAP5-3D Code Activities in ENEA............... Carlo Parisi – ENEA

15:45 Status of the PHISICS/RELAP5-3D Coupling and Application to
   Phase I of the OECD/NEA MHTGR-350 MW Benchmark ............ Gerhard Strydom – INL

16:15 Comparison of MYRRHA RELAP5 mod 3.3 and RELAP5-3D
   Models on Steady State of PLOF Transient .............................. Diego Catelliti – SCK-CEN

16:45 General Approach to Integration of RELAP with Other Codes
   With Remote Web-Based Execution ................................................. Sam Alessi – INL

17:15 Adjourn

International RELAP5-3D Users Group
Friday, September 13, 2013

Chairman: George Mesina – INL

08:00 Comparison of NRELAP5 to ORNL THTF Test and the
NuScale Critical Heat Flux Tests ......................................................... Douglas Lucas – NuScale

08:30 PRA Analysis Performed Using RAVEN with RELAP5-3D ............. Christian Rabiti – INL

09:00 Thermal-Hydraulic Analysis Results of a Seismically-induced Loss of Coolant Accident Involving Experiment Out-of-pile Loop Piping at the Idaho National Laboratory Advanced Test Reactor ............... Doug Gerstner – INL

09:30 Evaluation of Variations in the ATR Axial Power Distribution on Core Safety Margins .......................................................... Cliff Davis – INL

10:00 Break

10:15 HTTF Scoping Calculations .......................................................... Paul Bayless – INL

10:45 RELAP5-3D V&V Using HTTF Data ................................................. Richard Schultz – INL

11:15 Assessment of RELAP5-3D for Future Reactor Designs ................. Glenn Roth – INL

11:45 Validation of PHISICS RELAP5-3D for a Full Core Fuel Cycle .......... Andrea Alfonsi – INL

12:15 Lunch

13:45 Texas A&M University – Thermal Hydraulic Research .................. Vaghetto – TAMU

14:15 IRUG Business
  • Introduction
  • Approval of the 2012 Meeting Minutes
  • Election of New IRUG Chairman

14:45 User Problems ............................................................................. Nolan Anderson – INL

15:15 Status of Next RELAP5-3D Release and Changes Since 4.0.3..... Nolan Anderson – INL

15:45 Break

16:00 RELAP5 License and Export Control Statues ............................... Gary Smith – INL

16:30 Dates for next year’s meeting ..................................................... Jim Wolf – INL

16:45 Other Business .......................................................................... All

17:00 Adjourn