RELAP5 3D

INEEL
Idaho National Engineering and Environmental Laboratory

2004 INTERNATIONAL RELAP5|ATHENA USERS SEMINAR

Sun Valley Inn
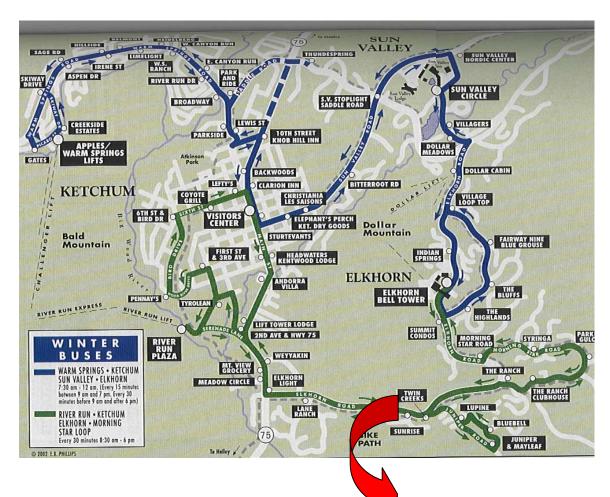Sun Valley, ID
August 25-27, 2004

Preliminary Agenda

Tuesday, Aug. 24	**Joy & Ken Rempe residence 308 Elkhorn Road (see map at the end of the agenda)***	
18:00-19:00	Registration	
18:00-20:00	Reception	
Wednesday, Aug. 25	**Ram Room, Sun Valley Inn**	**Presenter**
	Chair: Wolf	
8:30	Welcome	Jim Wolf, INEEL
8:45	Fusion R&D Analysis Methods	Kathryn McCarthy, INEEL
9:20	Status of RELAP5/ATHENA Development and Applications	Gary Johnsen, INEEL
9:55	Improvements to the Pressurizer Component Model	Walt Weaver, INEEL
10:30	Break	
10:45	Improvements to the Steady-State Mode	Walt Weaver, INEEL

* Attendees to Reception/Registration are encouraged to meet in the hotel lobby at 17:45 for car pooling to the Rempe residence, since parking space is extremely limited.

Wednesday, Aug. 25 (cont'd)	Ram Room	Presenter
11:20	RELAP5-3D Architectural Developments in 2004	George Mesina, INEEL
11:55	Lunch Chair: Johnsen	
13:10	RELAP5-3D Reported User Problems and Requested Improvements	Rich Riemke, INEEL
13:45	A Startup Study of Power Conversion Cycle for SCWRS	Rudi Teller, Burns & Roe
14:20	Assessment of Margin for In-Vessel Retention in Higher Power Reactors	Joy Rempe, INEEL
14:55	Break	
15:10	Discussion on the Calculational Envelope of the Fluent Computational Fluid Dynamics Code and the RELAP5 Systems Analysis Code When Using Segregated Solvers	Richard Schultz, INEEL
15:45	Generation IV Reactor R&D Plan	Richard Schultz, INEEL
16:20	Adjourn	
18:00	**Columbine Room B**	**Banquet**

Thursday, Aug. 26	Ram Room	Presenter
	Chair: Tomlinson	
8:30	11% Upper Plenum Break: Application of RELAP5-3D and Comparison with Other Codes	Alessandro Del Nevo, University of Pisa (Italy)
9:05	Developmental Status of the Multi-dimensional RELAP5 in Korea	Sang Yong Lee, KOPEC (Korea)
9:40	AREVA's Activities Related to VHTR Thermal-Hydraulic Analysis Using RELAP5-3D	Bob Martin, AREVA
10:15	Break	
10:30	Modeling of A Power Conversion System with RELAP5-3D and Associated Application to Feedwater Blowdown Licensing Analysis for the ABWR Containment Design	Thomas Liang, INER (Taiwan)
11:05	Contribution to Large Break LOCA Analysis for Commercial NPP using RELAP5-3D	Francesc Reventos, University Polytechnic Catalonia (Spain)
11:40	Water Bulk Acceleration by Rapid Air Injection	Masaki Adachi, National Maritime Research Institute (Japan)
12:15	Lunch Chair: TBD	
13:30	An Evaluation of a Novel Safety Concept for the SCWR	Cliff Davis, INEEL
14:05	Assessment of a Molecular Diffusion Model in RELAP5-3D	Cliff Davis, INEEL
14:40	Break	
14:55	GFR-He/CO_2 Analysis Using RELAP5-3D/ATHENA	Theron Marshall, INEEL
15:30	Java Conversion of XMGR5	Steve Miller, Idaho State University
16:05	Adjourn	

Friday, Aug. 27	Ram Room	Presenter
8:30	IRUG Member Meeting	Gary Johnsen, INEEL
9:30-11:30	Parallel Programming Tutorial	George Mesina, INEEL
9:30-12:00	User Consultation	RELAP5-3D Staff

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