2003 RELAP5 USERS SEMINAR

Holiday Inn SunSpree Resort
West Yellowstone, MT
August 27-29, 2003

Final Agenda

Tuesday, Aug. 26	Canyon Room	
18:00-19:00	Registration	
18:00-20:00	Reception	
Wednesday, Aug. 27	**Electric/Faithful Room**	**Presenter**
	Chair: Wolf	
8:00	Welcome	Jim Wolf, INEEL
8:15	Status of RELAP5-3D Development and Application	Gary Johnsen, INEEL
8:45	Improvements to the RELAP5-3D Turbine and Radiation Enclosure Models	Walt Weaver, INEEL
9:15	The Addition of Noncondensable Gases into RELAP5-3D for Analysis of High Temperature Gas-Cooled Reactors	Cliff Davis, INEEL
9:50	Break	

Wednesday, Aug. 27 (cont'd)	Electric/Faithful Room	Presenter
10:05	RELAP5-3D Compressor Model	Jim Fisher, INEEL
10:50	An Algorithm to Correct for Control Rod Cusping in the NESTLE Multidimensional Neutronics Module of RELAP5-3D	Bernie Bandini, Bettis
11:20	Programming Improvements in RELAP5-3D	George Mesina, INEEL
11:55	Lunch Chair: Johnsen	
13:10	RELAP5-3D User Reported Problems & Requested Improvements	Rich Riemke, INEEL
13:45	A Comparison of the Momentum Equations in RELAP5-3D and Fluent	Dick Schultz, INEEL
14:20	Coupling RELAP5-3D and Fluent for VHTR Analysis	David Schowalter, Fluent Dick Schultz, INEEL
14:55	Break	
15:10	Modeling of two-phase flow and boiling with Fluent	Nilanjana Basu, Fluent
15:45	Prismatic Core VHTR Analysis using RELAP5-3D/ATHENA	Paul Bayless, INEEL
16:20	A Parametric Study of the Thermal-Hydraulic Response of Supercritical Light Water Reactors During Loss-of-Feedwater and Turbine-Trip Events	Cliff Davis, INEEL
16:55	Adjourn	
18:30	Canyon Room	Dinner and 25th Anniversary Celebration

Thursday, Aug. 28	Electric/Faithful Room	Presenter
	Chair: Tomlinson	
8:00	Relap-3D Integrated Primary System Reactor (IPSR) Simulations	Emilian Popov, ORNL
8:35	Peach Bottom Turbine Trip Benchmark analysis with RELAP5-3D coupled code	Francesco D'Auria, Univ. of Pisa
9:10	Simulation of a Reactor Coolant Pump Asymmetric Transient Occurred in Vandellòs-II NPP	Francesc Reventos, Univ. of Catalonia
9:45	RELAP5-3D model for the PANDA facility. Application to the simulation of an ISP-42 experiment	Francesc Reventos, Univ. of Catalonia
10:20	Break	
10:35	RELAP5-3D Validation Study Using MB-2 Prototypical Steam Generator Steady State Data	Art Ruggles, Univ. of Tennessee
11:10	SCDAP/RELAP5-3D© Analyses Supporting Improved In-Vessel Retention Margins for High Power Reactors	Darrell Knudson, INEEL
11:45	Lunch Chair: Weaver	
13:00	An Unmet Challenge: Application of SCDAP/RELAP5-3D to Analysis of Severe Accidents for Light Water Nuclear Reactors with Heavily Fouled Cores	Bob Leyse, INZ
13:35	Modeling of Supercritical Pressurized Water Reactors with SCDAP/RELAP5-3D	Larry Siefken, INEEL
14:10	Framatome ANP's Realistic Large Break LOCA Methodology	Bob Martin, Framatome ANP
14:45	Break	
15:00	On a Numerical Horizontal Flow Anomaly and the Second Law of Thermodynamics	Kurt Schneider, Framatome ANP
15:35	Extension of SNAP Model Editor to Support the RELAP5-3D Code	Ben & Terry Gitnick, ISL
16:10	RGUI	Guy Grinnell, Univ. of Idaho, George Mesina, INEEL

16:45	Adjourn	
Friday, Aug. 29	**Electric/Faithful Room**	**Presenter**
8:30	IRUG Member Meeting	
10:00	Adjourn	
10:15-12:00	User Consultation	RELAP5-3D Staff