

**International Conference on Simulation
Technology for Nuclear Power Plants and
Systems (NUCS'05) and International
Conference on Fossil Simulation and
Training (UFST'05)**

Part of the 2005 Western Simulation Multiconference

**New Orleans, Louisiana, USA
23-27 January 2005**

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January 4, 2005

Monday January 24, 2005

8:00 - 10:00 **Plenary Presentation**

TBA

10:00 – 10:30 Break

10:30 - 12:00 **Session 1: Simulation Concepts**

Session Chairman: Dennis Taylor (Terrace Room)

N101 The Development & Deployment of Classroom/Desktop Simulator Training at Ontario Power Generation ~~AF~~
Author Kevin Canavan

N102 Fort Calhoun Simulator: Taking Regression Testing to the Next Level
Julien Marin CAE ~~AAA~~

N103 DCS Upgrades for Nuclear Power Plants: Saving Money and Reducing Risk through Virtual-Stimulation Control System Checkout ~~AFH~~
Author Greg McKim Esscor

12:00 - 1:00 Lunch and Vendor Displays

1:00- 1:45 **Session 2A: Simulator Vendor Presentations**

Session Chairman: Sam Ashy (Terrace Room)

N201 WSC Vendor Presentation

1:45 – 2:00 Break and setup time

2:00 - 2:45 **Session 2B: Simulator Vendor Presentations**

Session Chairman: Michael Chatlani (Terrace Room)

N202 CAE Vendor Presentation

2:45 – 3:00 Break and setup time

3:00 - 3:45 **Session 2C: Simulator Vendor Presentations**

Session Chairman: Steven Carr (Terrace Room)

N203 Powergen Vendor Presentation
Steven Carr, Powergen UK
Alan Brookes, Powergen UK
Joan Monte, Siemens Westinghouse Power Corporation

January 4, 2005

Tuesday January 25, 2005

8:30 - 10:00

Session 3: Simulator Project updates

Session Chairman: Jody Brodsky (Terrace Room)

N301

Waterford Simulator Project Upgrades
Author Roger Jones

N302

Second Simulator Project at Browns Ferry Nuclear Plant
Author Tommy Albright

N303

Vermont Yankee Simulator BOP Model Upgrade
Raymond Alejandro, Mladen Udbinac (Western Services)

10:00 – 10:30

Break

10:30 - 12:00

Session 4: Simulation models and approaches

Session Chairman: Roger Jones (Terrace Room)

N401

Application of a Two-phase, Non-homogenous Solution in the BOP Loop of the Oskarshamn 2 Simulator
Sergio Gaudio (CAE), Robert Boire (CAE)

N402

A cost effective approach of education and training for nuclear facilities staffs based on Research Reactor
Pascal Gain, Corys Tess

N403

Modeling of Core Protection Calculator Based on Structured Analysis for Korean Standard Nuclear Power Plant Simulator
Dong-Wook Kim

12:00 - 1:30

Lunch and Vendor Displays

January 4, 2005

Tuesday January 25, 2005

- 1:30 - 3:00 **Session 5: Simulator Upgrades, Challenges and Costs**
Session Chairman: Warren Potter (Terrace Room)
- N501** Major Control Room Modification at Columbia Generating Station:
Lessons Learned. ~~AWF~~ F
Carl Golightly, Energy Northwest
- N502** Overcoming the Challenges: The Koeberg Simulator Project ~~AWG~~
Julien Marin (CAE), Sorin Bruchental (CAE), John Lagerwall (AIS cc.)
- N503** Securing Budget for and Implementing Your Significant Simulator Upgrade:
The Fermi Experience ~~AWI~~
Bryan Crone, Detroit Edison
- 3:00 – 3:30 Break
- 3:30 - 5:00 **Session 6: Simulator Applications and Panels**
Session Chairman: Carl Golightly (Terrace Room)
- N601** Laguna Verde Simulator: A new TRAC RT Based Application ~~AFI~~
Juan Jose Muñoz Cases (TECNATOM), Agustin Tanarro Onrubia (TECNATOM)
- N602** DCS Applications to Training Simulators ""345
Mladen J. Udbinac/Ousamma Ashy Western Services
- P603** Reference Plant Data Standards for Software Validation

Panelists: TBA

January 4, 2005

Wednesday January 26, 2005

8:30 - 10:00 **Session 7: Panel ANS-3.5 Survey and Standard Update** ~~AFI H~~
Session Chairman: Carl Golightly (Terrace Room)
Tim Dennis ANS-3.5 Working Group

Open Panel Discussion Led by ANS-3.5 Working Group

10:00 – 10:30 Break

10:30 - 12:00 **Session 8: Panel Regulation Changes** ~~AFI F~~
Session Chairman: Carl Golightly (Terrace Room)
Larry Vick, NRC 10CFR55.46, Reg Guide 1.149

Topic details NRC Workshop

12:00 - 1:30 Lunch and Vendor Displays

1:30 – 5:00 Regional workshops in parallel breakout rooms

Session 9: MANTG Simulator Meeting Workshop/Workshop ~~AFI DE~~
Session Chairman: MANTG Chairman (_____ Room)
Topic: Open Agenda
Room:

Session 10: MNTA Simulator Meeting/Workshop ~~AFI DE~~
Session Chairman: MNTA Chairman (_____ Room)
Topics: Status of Organization

Room:

Session 11: SSNTA Meeting ~~AFI DE~~
Session Chairman: SSNTA Chairman (_____ Room)
Topic: Open Agenda
Room:

Session 12A: Westrain Simulator Meeting/Workshop ~~AFI DE~~
Session Chairman: WESTRAIN Chairman (_____ Room)
Topics: Web Page Update Open Agenda

Room:

Session 12B: STARS Meeting/Workshop ~~AFI B#5~~
Session Chairman: Scott Halverson, AmerenUE (_____ Room)
NOTE: Immediately follows the Westrain workshop

January 4, 2005

Thursday January 27, 2005

- 8:30 - 10:00 **Session 13: USUG Annual Meeting – (Terrace Room)** ~~AA-DE~~
Session Chairman: Scott Halverson, AmerenUE, Callaway Plant Simulator
- Introductions and open discussions
Minutes from previous meeting - Jim Florence
Election Chairman
Elections Regions 1, 3 and 5 (odd year regions)
Region Reports, recent activities,
Workshop updates
Old Business
New Business - Feedback request testing white paper
- 10:00 – 10:30 Break
- 10:30 - 12:00 **Session 14: USUG Panel Discussion/Region Reports** ~~****%&~~,
Session Chairman: Region 1 & 2 Representatives
Panel Topic: Scenario Based Testing Implementations
Documentation Requirements Feedback from 2004
- 12:00 - 1:30 Lunch
- 1:30 - 2:30 **Session 15: USUG Panel Discussion/Region Reports** ~~AA-DE~~
Session Chairman: Region 3 & 4 Representatives
Panel Topic: Recent NRC Inspection Activities
- 2:45 - 3:45 **Session 16: USUG Panel Discussion – International** ~~AA-DE~~
Session Chairman: Region Representative
Panel Topic: Inputs from international members
- To be announced
- 4:00 - 5:00 **Session 17: USUG Current topics from Conference** ~~AA-DE~~
Session Chairman: Scott Halverson
Training Industry Group Coordination Meeting - Atlanta
INPO/NEI/LOTF/NRC Meeting on testing feedback
Week agenda for 2006

Friday January 28, 2005

CAE 2005 Owners Circle™ Conference (by invitation only)

Special Meeting

**MASTER user consortium followed by:
RELAP Consortium Meeting Wednesday 4:15 p.m.**

Other Meetings

Other follow-up meetings with vendors (by appointment only)

January 4, 2005

Fossil Simulation

Session 1

F101 A development of the Windows Based Real-Time Simulation Tool for Power Plant ""3: 4

Dong-Wook Kim

F102 A simulator test to clarify internal features of a fossil power plant simulator ""425

Alexander Rubashkin

F103 Implementation of Thermal Hydraulic Models into a windows based power plant simulation tool ""42;

Dong Wook Kim

Session 2

F201 Re-Hosting and Extension of Matimba Power Station Simulator A Project Report""436

Dr. Joachim Storm

F204 Re-Hosting and Extension of Matimba Power Station Simulator A Project Report""455

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