

Monday, November 6, 2017

16:00 - 17:30	Registration
17:30 - 19:00	Welcome session and refreshments <ol style="list-style-type: none">1. <i>Welcome on behalf of University of Florida</i>2. <i>Jaakko Leppänen (VTT) - Greetings from the Serpent developer team.</i>

Tuesday, November 7, 2017

9:00 - 10:00	Technical session <ol style="list-style-type: none">1. <i>Jaakko Leppänen (VTT) - Current status and future plans for Serpent 2</i>2. <i>Toni Kaltiaisenaho (VTT) - Recent development in Serpent photon transport mode</i>
10:00 - 10:30	Coffee break
10:30 - 12:00	Technical session <ol style="list-style-type: none">1. <i>Jaakko Leppänen (VTT) - Fun stuff with the built-in response matrix solver</i>2. <i>Stefano Terlizzi (Georgia Tech.) - Non-ideal convergence of fission matrix fundamental eigen-pair in Monte Carlo calculations</i>3. <i>Mikolaj Kowalski (University of Cambridge) - Investigating Variable Fidelity Monte Carlo with Serpent Fixed Source Mode</i>
12:00 - 13:30	Lunch
13:30 - 15:00	Technical session <ol style="list-style-type: none">1. <i>Andrew Johnson (Georgia Tech.) - Full Core Power and Isotopic Oscillations with Various Depletion Schemes</i>2. <i>Riku Tuominen (VTT) - Modelling SEALER with Serpent and OpenFOAM</i>3. <i>Dan Kotlyar (Georgia Tech.) - Nuclear Thermal Propulsion Engine: Low-enriched Cermet-based Fuel</i>
15:00 - 15:30	Coffee break
15:30 - 17:00	Technical session <ol style="list-style-type: none">1. <i>Emil Fridman (HZDR) - Modeling of Phenix EOL experiments with Serpent-DYN3D</i>2. <i>Sourena Golesorkhi (CNL) - Application of Serpent to Reactor Physics Modelling Problems at CNL</i>3. <i>Nicholas Smith (Southern Company Services) - Overview of MSR projects</i>

Wednesday, November 8, 2017

9:00 - 10:00	Technical session <ol style="list-style-type: none">1. Ville Valtavirta (VTT) - <i>Implementing history based GPT capabilities to the official Serpent 2 Monte Carlo code</i>2. Paul Cosgrove (University of Cambridge) - <i>Perturbation-based coupling of Monte Carlo and Burn-up for multiple burnable regions</i>
10:00 - 10:30	Coffee break
10:30 - 12:00	Technical session <ol style="list-style-type: none">1. Una Davies (University of Cambridge) - <i>Una Davies (University of Cambridge) - Uncertainty & Sensitivity Analyses of Th-MOX Fuels in ABWRs</i>2. Daniel Siefman - <i>Investigating Effects of Sensitivity Uncertainties</i>3. Dirceu da Cruz (NRG) - <i>Uncertainty due to nuclear data for an MTR fuel element</i>
12:00 - 13:30	Lunch
13:30 - 15:00	Technical session <ol style="list-style-type: none">1. Emil Fridman (HZDR) - <i>Nuclear data uncertainty quantification for FREYA fast critical experiments</i>2. Ville Valtavirta (VTT) - <i>Coupled calculations with Serpent 2.1.29</i>3. Kyle Ramey (Georgia Tech.) - <i>Numerical Artifacts in On-the-Fly Doppler Broadening Near Reference Temperatures</i>
15:00 - 15:30	Coffee break
15:30 - 17:00	Technical session <ol style="list-style-type: none">1. Ondrej Chvala (University of Tennessee) - <i>Fuel cycle of DMSR with salt recycle - the first look</i>2. Andrew Johnson (Georgia Tech.) - <i>Serpent-Tools - a Python Package for Interacting with Serpent Outputs</i>3. Jaakko Leppänen (VTT) - <i>Practical demonstration of useful but poorly documented features in Serpent 2</i>
19:30	Social dinner at the Midtown Social

Thursday, November 9, 2017

10:00 - 10:30	Coffee break
10:30 - 12:00	Technical session <ol style="list-style-type: none">1. Riku Tuominen (VTT) - <i>Status of the Serpent criticality safety validation package</i>2. Frederick Gleicher (INL) - <i>Idaho National Laboratory Reactor Analysis Applications of the Serpent Lattice Physics Code</i>3. Emil Fridman (HZDR) - <i>Future applications of Serpent in the Euratom project ESFR-SMART</i>
12:00 - 13:30	Lunch
13:30 - 15:00	Technical session <ol style="list-style-type: none">1. Emil Fridman (HZDR) - <i>Serpent-DYN3D solution of the X2 benchmark: fresh core at HZP</i>2. Ville Valtavirta (VTT) - <i>Serpent Wiki</i>
15:00 - 15:30	Coffee break / Farewell