

Tuesday, May 29, 2018

16:00 - 18:00	Registration and welcome session
16:30 - 18:00	Welcome session <ol style="list-style-type: none">1. Jarmo Ala-Heikkilä (Aalto) -- Greetings from Aalto University.2. Jaakko Leppänen (VTT) -- Greetings from the Serpent developer team, current status and future plans for Serpent 2.

Wednesday, May 30, 2018

9:00 - 10:00	Technical session <ol style="list-style-type: none">1. Ville Valtavirta (VTT) -- Presentation on Kraken framework2. Henri Loukusa (VTT) -- Presentation on FINIX fuel performanc code
10:00 - 10:30	Coffee break
10:30 - 12:00	Technical session <ol style="list-style-type: none">1. Ville Sahlberg (VTT) -- Hexagonal Nodal Diffusion in Ants2. Eric Dorval (VTT) -- On the generation of collision-probability matrices with Serpent 23. Antti Rintala (VTT) -- Presentation on diffusion coefficients and leakage models
12:00 - 13:00	Lunch
13:00 - 14:30	Technical session <ol style="list-style-type: none">1. Yurii Bilodid (HZDR) -- Serpent and DYN3D solutions of X2 benchmark fresh core HZP state2. Alexander Aures (GRS) -- Applications of Serpent for Fuel Assembly Bowing and SPERT III Static Calculations3. Jeremy Bousquet (GRS) -- Cross section generation for fast systems with Serpent
14:30 - 15:00	Coffee break
15:00 - 16:30	Technical session <ol style="list-style-type: none">1. Emil Fridman (HZDR) -- Modeling of the Phenix EOL experiments with Serpent-DYN3D2. Emil Fridman (HZDR) -- Application of Serpent in the ESFR-SMART project3. Ville Rintala (LUT) -- Serpent related activities in LUT

Thursday, May 31, 2018

9:00 - 10:00	Technical session <ol style="list-style-type: none">1. Toni Kaltiaisenaho (VTT) -- Upcoming features in Serpent photon transport mode2. Silja Häkkinen (VTT) -- Shielding analysis of a spent fuel storage cask using variance reduction with Serpent
10:00 - 10:30	Coffee break
10:30 - 12:00	Technical session <ol style="list-style-type: none">1. Valentyn Bykov (Nagra) -- Adaptation of the Nagra Activation Analysis Methodology from MCNP-ORIGEN to Serpent2. Diego Ferraro (KIT) -- Transient calculations for a generic PWR Minicore using Serpent 23. Lydie GIOT (CNRS/IN2P3) -- Subatech a talk on decay heat calculations with serpent
12:00 - 13:00	Lunch
13:00 - 14:30	Technical session <ol style="list-style-type: none">1. Riku Tuominen (VTT) -- New energy deposition treatment in Serpent 22. Ville Valtavirta (VTT) -- Presentation of new S/U methodologies3. Dirceu F. da Cruz (NRG) -- Uncertainty due to nuclear data for a full-core MTR
14:30 - 15:00	Coffee break
15:00 - 16:00	Technical session <ol style="list-style-type: none">1. Nicholas Brown (Penn State) -- Recent Serpent applications in support of nuclear technology research and development2. Alexander Aures (GRS) -- A Hybrid Deterministic / Stochastic Calculation Model for Transient Analysis
~ 18:00	Social dinner at the Innopoli Rooftop Sauna

Friday, June 1, 2018

10:00 - 10:30	Coffee break
10:30 - 12:00	Technical session <ol style="list-style-type: none">1. Bethany Colling (UKAEA) -- Investigating the application of Serpent 2 for fusion neutronics analysis2. Anže Pungertič (JSI) -- Reactor Physics Department TRIGA Burnup calculations using Serpent3. Mikhail Onegin (NRC KI) -- Neutronic calculations of the reactor PIK using SERPENT code
12:00 - 13:00	Lunch
13:00 - 14:30	Technical session <ol style="list-style-type: none">1. Jaakko Kuopanportti (Fortum) -- Utilization of Serpent for practical applications at Fortum2. Alexander Ponomarev (PSI) -- Application of Serpent 2 code at PSI
14:30 - 15:00	Coffee break / Farewell

NOTES:

- The welcome session will be held at VTT's Centre for nuclear safety (Kivimiehentie 3).
- The location for the remaining days is Aalto University (Otakaari 3).
- The social dinner is at the Innopoli business park (Tekniikantie 12).