

AGENDA

Kick-off Meeting of OECD/NEA Rostov - Unit 2 (Rostov-2) VVER-1000 Multi-physics Benchmark

Host Organization

NINE Nuclear and Industrial Engineering
Lucca, Italy

May 18, 2018

**Location – Real Collegio Palace – Piazza del Collegio, 13,
55100 Lucca (LU), Italy**

18 May 2018

The Rostov-2 sessions will be in the Workshop Room A (Closter B).

Session 1 / Chair: Maria Avramova

- 09:00 – 09:15 Objectives, background, scope and goal of the benchmark - M. Avramova
- 09:15 – 10:00 Definition of benchmark phases and exercises – K. Ivanov
- 10:00 – 10:30 Benchmark specification: neutronics core data – K. Ivanov
- 10:30 – 11:00 Benchmark specification: thermal-hydraulic data and neutronics thermal-hydraulics coupling – M. Avramova

11:00 – 11:30 Coffee Break

Session 2 / Chair: Kiril Velkov

- 11:30 – 11:50 Benchmark specification: reactor control system and measuring and recording devices – K. Ivanov
- 11:50 – 12:10 Benchmark specification: transient description – K. Ivanov
- 12:10 – 12:30 Benchmark specification: Output requested and appendices – M. Avramova
- 12:30 – 13:00 Discussion of benchmark specifications – all

13:00 – 14:00 Lunch

Session 3 / Chair: Ihor Pasichnyk

- 14:00 – 14:30 Performance optimization of NOSPERSC code for coupled pin-by-pin VVER core calculations – S. Aleshin, B. Egorov, B. Hamaza, D. Oleksyuk, A. Pinegin, A. Ryzhov, K. Velkov, I. Pasichnyk
- 14:30 – 15:00 Tools and concepts to cope with challenges of Rostov-2 benchmark – S. Nikonov, I. Pasichnyk, K. Velkov
- 15:00 – 15:30 Probabilistic method of evaluating the accuracy of core computational models – A.A. Pinegin, S.V. Semenov
- 15:30 – 16:00 Neutron-physical calculation of the VVER-1000 core in HZP state using MCU Monte Carlo code – E. Bogdanova, B. Shumskiy, E. Poplavskaya, G. Tikhomirov

16:00 – 16:30 Coffee Break

Session 4 / Chair: Anatoly Pinegin

- 16:30 – 17:00 Round table discussion and expression of participants' interest: All
- 17:00 – 17:30 Action items and schedule of benchmark activities, and plans. Conclusions and closing remarks – M. Avramova

Meeting Adjourn