

## Parallel Session S11-D15

15 October 2020, 18:10-19:40 MSK (15:10-16:40 GMT)

*Chair: Vladimir Gerdt and Andrey Ustyuzhanin*

Time	Name	Title
18.10-18.30 MSK 15.10-15.30 GMT	Andrey V. Vishnekov, Elena M. Ivanova, Nikita A. Stepanov and <u>Nikita D. Shaimov</u>	A simulation model for macro- and micro-fusion algorithms in the CPU core
18.30-18.50 MSK 15.30-15.50 GMT	Anastasia Perepelkina, <u>Vadim Levchenko</u> and Andrey Zakirov	Extending the problem data size for GPU simulation beyond the GPU memory storage limits
18.50-19.10 MSK 15.50-15.10 GMT	<u>Boris Korneev</u> , Vadim Levchenko, Anton Ivanov and Andrey Zakirov	A new conservative high-order approach to use grids with the space-time adaptive refinement and the Runge-Kutta methods for time integration in the high-order numerical methods for solving the systems of conservation laws
19.10-19.30 MSK 16.10-16.30 GMT	<u>Mikhail Khalilov</u> and Alexey Timofeev	Performance analysis of CUDA, OpenACC and OpenMP programming models on NVIDIA GPUs