4th European Advanced Accelerator Concepts Workshop

Monday, September 16, 2019

WG6 - Sala Bonaparte 2 (SB2) (4:00 PM - 5:30 PM)

time	[id] title	presenter
4:00 PM	[147] Scalable particle-in-cell simulations on many-core hardware with the free and open source code PIConGPU	STEINIGER, Klaus
4:20 PM	[166] Modeling the L|PWFA hybrid accelerator using PIConGPU	STEINIGER, Klaus DEBUS, Alexander
4:40 PM	[55] A spectral, quasi-3D, multi-GPU Particle-In-Cell code for plasma accelerators	KIRCHEN, Manuel
5:00 PM	[50] Stability analysis of Laser-Plasma accelerators using quasi-cylindrical PIC simulations	JALAS, Soeren

WG6 - Sala Bonaparte 2 (SB2) (6:00 PM - 7:00 PM)

time	[id] title	presenter
6:00 PM	[10] Recent orientations in the Smilei particle-in-cell simulation software	BECK, Arnaud
6:20 PM	[20] Efficient modelling of Laser WakeField Acceleration with realistic laser profile using azimuthal cylindrical geometry	ZEMZEMI, Imen
6:40 PM	[24] Efficient 3D envelope modelisation for two-stage laser wakefield acceleration experiments	MASSIMO, Francesco

Tuesday, September 17, 2019

<u>WG6</u> - SBIO (4:00 PM - 5:30 PM)

time	[id] title	presenter
4:00 PM	[259] Toward the modeling of chains of plasma accelerator stages with WarpX	VAY, Jean-Luc
4:20 PM	[325] Progress on the Vorpal exascale transition	COWAN, Benjamin
4:40 PM	[169] Updates on QuickPIC Open Source	AN, Weiming
5:00 PM	[6] Force exerted on particle bunch propagating near plasma-vacuum boundary	LOTOV, Konstantin

<u>WG6</u> - SBIO (6:00 PM - 7:00 PM)

time	[id] title	presenter
6:00 PM	[125] Modeling of capillary discharge plasmas for wakefield acceleration and beam transport	COOK, Nathan
6:20 PM	[69] Modeling and simulation of transverse wakefields in PWFA	CHEN, Jian Bin Ben
6:40 PM	[295] Collisionless shock acceleration in near-critical and underdense plasmas	BOELLA, Elisabetta

Thursday, September 19, 2019

WG6 - **SE (6:20 PM - 7:30 PM)**

time	[id] title	presenter
6:20 PM	[18] Cerenkov-free RIP Maxwell solver: dispersionless along X	PUKHOV, Alexander
6:40 PM	[298] Single-cycle THz signal accompanying laser wake in photo-ionized plasmas and plasma channels	KALMYKOV, Serge