

ISSS-15 + IPELS-16

Tuesday 6 August 2024

ISSS: 1 (invited & contributed talks) (13:30 - 15:30)

time	[id] title	presenter
13:30	[14] Investigating sources of pulsar coherent radio emissions by particle-in-cell kinetic simulations	BENÁČEK, Jan
13:55	[71] Magnetic reconnection in 3D collisionless plasma turbulence: electron effects	MUÑOZ, Patricio
14:20	[120] Self-consistent theory of cosmic ray penetration into molecular clouds	IVLEV, Alexei
14:45	[118] GPIC: An advanced Particle-In-Cell code using GPU acceleration and its application in magnetic reconnection	HUANG, Shiyong
15:10	[13] Loading various velocity distributions in particle-in-cell (PIC) simulation	ZENITANI, Seiji

ISSS: 2 (contributed talks) (16:00 - 18:00)

time	[id] title	presenter
16:00	[34] New integrator for relativistic equations of motion for charged particles	UMEDA, Takayuki
16:20	[36] AHKASH: a new Hybrid particle-in-cell code for simulations of astrophysical collisionless plasma	ACHIKANATH CHIRAKKARA, Radhika
16:40	[111] 3D PIC simulations for relativistic jets with a toroidal magnetic field and results from 2D GRPIC simulations	NISHIKAWA, Kenichi
17:00	[48] Exploring the structure of AGN Jet recollimation shocks: Insights from 2D and 3D RMHD Simulations	BOULA, Stella
17:20	[98] PIC Simulations of Sunward and Anti-sunward Whistler Waves in the Solar Wind	KUZICHEV, Ilya
17:40	[47] 1D Vlasov-Poisson simulations of linear and solitary ion acoustic waves close to the Sun: Parker Solar Probe observations	AFIFY, Mahmoud Saad

Thursday 8 August 2024

ISSS: 3 (invited & contributed talks) (13:30 - 15:30)

time	[id] title	presenter
13:30	[123] A Multi-Scale Kinetic Simulation of Plasma Dynamics from Magnetotail Reconnection to the Inner Magnetosphere	RUSAITIS, Liutauras
13:55	[129] Three-dimensional global hybrid simulations of interaction between the solar wind and the magnetospheres of Earth and Mercury	LU, San
14:20	[54] Extended MHD and Coupled Fluid-Kinetic Simulations of Planetary Magnetospheres: Applications to Mercury and Ganymede	JIA, Xianzhe
14:45	[121] Low Frequency Turbulence in the Ionosphere and Interaction with High Frequency Wave	SOTNIKOV, Vladimir
15:10	[142] Test Particle Simulation of Relativistic Proton Acceleration by Electromagnetic Ion Cyclotron Waves in the Jovian Magnetosphere	OMURA, Yoshiharu

ISSS: 4 (contributed talks) (16:00 - 18:00)

time	[id] title	presenter
16:00	[53] Dynamic Evolution of Bursty Bulk Flows (BBFs) Revealed by Two-way Coupled PIC and MHD Model and Multi-instrument Observations	ZOU, Shasha
16:20	[83] Insights from Simulation for the Design of the Multi-Needle Langmuir Probe Instrument	JAO, Chun-Sung
16:40	[46] Hybrid simulation study of high-frequency H-band EMIC waves in the Earth's magnetosphere	MIN, Kyungguk
17:00	[65] Simulation Study of Solitary Waves in the Martian Magnetosphere	PANDEY, Sahil
17:20	[32] Charged particle dynamics in the Jupiter's Radiation Belts: A test particle simulation	SRIVASTAVA, Ayushi
17:40	[78] Test particle simulation for electrons accelerated by kinetic Alfvén waves and precipitating into the ionosphere	SAITO, Koseki