DAY1: 26 Jun 2023

<Session 1: Laboratory Plasma 1> Chair: Masahiro Hoshino

[Inv]	10:00	10:20	Hiroshi Tanabe	High field particle acceleration/heating experiment in keV regime
[Inv]	10:20	10:40	Jongsoo Yoo	Anomalous resistivity and electron heating by lower hybrid drift waves during magnetic reconnection with a guide field
[Inv]	10:40	11:00	Michiaki Inomoto	Active Control of Parallel Electric Field to Enhance Particle Acceleration in Guide Field Reconnection
[Inv]	11:00	11:20	JongYoon Park	Experimental evidence of voltage-driven merging for flux ropes in 3D helical field configuration
[Inv]	11:20	11:40	Y.S. Hwang	Internal Reconnection Events in Versatile Experiment Spherical Torus
[Inv]	11:40	12:00	P. Gradney	Investigating the Collisionless Kinetic Regime with the New TREX Drive Cylinder
[Con]	12:00	12:15	Cameron Kuchta	Towards Measurement of Electron Pressure Anisotropy in Collisionless Laboratory Reconnection
[Con]	12:15	12:30	Y. Ono	Scaling Study of Reconnection Heating in Tokamak Merging Experiments and Simulations
	12:30	14:00	Lunch Break & Poster	

<Session 2: Theory> Chair: Li-Jen Chen

[Key]	14:00	14:30	Masahiro Hoshino	Energy Partition of Thermal and Nonthermal Plasmas in Magnetic Reconnection
[Key]	14:30	15:00	William Daughton	Current Status and Future Prospects for Understanding the Multiscale Physics of Magnetic Reconnection
[Inv]	15:00	15:20	Seiji Zenitani	Hyper Boris solvers for kinetic plasma simulations
[Inv]	15:20	15:40	Riddhi Bandyopadhyay	Energy Dissipation in Electron-only Reconnection
	15:40	16:10	Break & Poster	
[Inv]	16:10	16:30	Tomohisa Kawashima	Particle-In-Cell Simulations of Mushroom-instability-driven Magnetic Reconnections in Collisionless Relativistic Jets
[Con]	16:30	16:45	Michael Hesse	What do we Know About the Reconnection Electric Field?
[Con]	16:45	17:00	Samuel Totorica	Exact Calculation of Nonideal Electric Fields Demonstrates their Dominance of Injection in Relativistic Magnetic Reconnection
[Con]	17:00	17:15	Young Dae Yoon	Ion phase-space distributions and nonthermal energization mechanisms during magnetic reconnection
[Con]	17:15	17:30	Masaaki Yamada	Analytical model of magnetic energy conversion to plasma in a proto-typical two-fluid magnetic reconnection layer
[Con]	17:30	17:45	James A. Klimchuk	The Thickness of Current Sheets
[Con]	17:45	18:00	Chuanfei Dong	Reconnection-Driven Energy Cascade Revealed by the World's Largest Magnetohydrodynamic Turbulence Simulation

Dinner

DAY2: 27 Jun 2023

<Session 3: Solar Plasma 1> Chair: Yasushi Ono

[Key]	8:30	9:00	Kanya Kusano	What triggers the onset of solar flares
[Inv]	9:00	9:20	Joel T. Dahlin	Decoding Three-Dimensional Reconnection in Solar Flare Observations
[Inv]	9:20	9:40	Xin Cheng	Observations and Simulations of Turbulent Reconnection within CME-flare Current Sheet
[Con]	9:40	9:55	Yulei Wang	Three-dimensional Turbulent Reconnection within Solar Flaring Current Sheet
[Con]	9:55	10:10	Nian Liu	Observation and Modeling of the X5.4 Flare on March 7, 2012
	10:10	11:05	Break & Flash talk 1-4	
[Inv]	11:05	11:25	Mitsuo Oka	Electron Acceleration and Energy Partition during Solar Flares and Terrestrial Substorms
[Inv]	11:25	11:45	Daiki Yamasaki	Magnetohydrodynamic Modeling of Magnetic Field Structure of Solar Flares
[Con]	11:45	12:00	Toshifumi Shimizu	Two findings from the first solar microflare captured by coordinated Hinode, IRIS, and ALMA observation
[Con]	12:00	12:15	Quanming Lu	Electron-only Reconnection as a Transition from Current Sheet to Standard Reconnection
	12:30	14:00	Lunch Break & Poster	

<Session 4: Astrophysical Plasma> Chair: Michael Hesse

[Key]	14:00	14:30	Fan Guo	The Origin of Nonthermal Particle Acceleration in Relativistic Magnetic Reconnection
[Inv]	14:30	14:50	Benjamin Crinquand	Magnetic Reconnection in Black-Hole Magnetospheres
[Inv]	14:50	15:10	Shigeo S. Kimura	Magnetic Reconnection at Black-hole Magnetosphere
	15:10	16:05	Break & Flash talk 5-8	
[Inv]	16:05	16:25	J. Mehlhaff	QED Magnetic Reconnection in Gamma-Ray Blazars
[Con]	16:25	16:40	Giovani H. Vicentin	2D and 3D magnetohydrodynamical simulations of current sheets and magnetic reconnection: the effects of turbulence versus plasmoid instabilities
[Inv]	16:40	17:00	K. M. Schoeffler	Limits on the compression of magnetic islands, a source of synchrotron radiation bursts in PIC simulations of strong-field 3D relativistic magnetic
[Con]	17:00	17:15	Taiki Jikei	Condition for Magnetic Reconnection in Collisionless Shock Transition Regions
[Con]	17:15	17:30	Yi-Hsin Liu	First-Principles Theory of the Relativistic Magnetic Reconnection Rate in Astrophysical Pair Plasmas

Dinner

DAY3: 28 Jun 2023

<Session 5: Solar Plasma 2> Chair: Ryoji Matsumoto

[Inv]	8:30	8:50	S. D. Bale	Interchange reconnection as the source of the fast solar wind within coronal holes
[Inv]	8:50	9:10	Tai Phan	Parker Solar Probe Observations of the Prevalence of Magnetic Reconnection in the near- Sun Heliospheric Current Sheet
[Inv]	9:10	9:30	Lei Ni	RMHD studies of magnetic reconnection in the partially ionized low solar atmosphere
[Con]	9:30	9:45	Q. M. Wargnier	2D and 3D Magnetic Reconnection in the upper solar atmosphere with Helium-Hydrogen-Carbon mixture
[Con]	9:45	10:00	James Leake	The Onset of Magnetic Reconnection in Dynamically Evolving Current Sheets in the Solar Corona
	10:00	10:30	Break & Poster	
[Con]	10:30	10:45	L. K. S. Daldorff	Implication of line tied magnetic field on magnetic reconnection in the closed corona
[Con]	10:45	11:00	Yusuke Kawabata	Multi-line Spectropolarimetric Observations of Solar Magnetic Reconnection Events
[Con]	11:00	11:15	Satoshi Masuda	Recent Solar Flare Researches with Nobeyama Radioheliograph
[Con]	11:15	11:30	Shinsuke Imada	Magnetic Reconnection in the Solar Corona and SOLAR-C Mission
	11:45		Excursion	
	18:30		Banquet	

DAY4: 29 Jun 2023

<Session 6: Magnetospheric Plasma> Chair: Hantao Ji

[Key]	8:30	9:00	Kevin Genestreti	Physics of collisionless electron diffusion regions: the reconnection rate, energy conversion, and reconnection onset
[Inv]	9:00	9:20	Naoki Bessho	Electron Acceleration by magnetic reconnection in the Earth's bow shock
[Inv]	9:20	9:40	G. Cozzani	Interplay of Magnetic Reconnection and Current Sheet Instabilities in the Earth's magnetotail
[Inv]	9:40	10:00	C. Norgren	Investigating the particle dynamics associated with off-diagonal pressure components around the electron diffusion region
[Con]	10:00	10:15	Li-Jen Chen	Suprathermal electrons in the terrestrial magnetotail
	10:15	10:40	Break & Poster	
[Inv]	10:40	11:00	R. E. Ergun	Near Runaway Ion Acceleration Associated with Magnetic Reconnection-Driven Turbulence
[Inv]	11:00	11:20	Rongsheng Wang	Turbulent Magnetic Reconnection and suprathermal electron acceleration
[Inv]	11:20	11:40	Hiroshi Hasegawa	Transient Processes in Magnetic Reconnection in the Earth's Magnetosphere: Magnetic Field Annihilation and Flux Rope Generation
[Inv]	11:40	12:00	Mao Aohua	Numerical simulations on 3D asymmetric reconnection in SPERF
[Con]	12:00	12:15	K. A. Blasl	Reconnection signatures within the Kelvin-Helmholtz vortex-induced Lower- Hybrid waves at Earth's magnetopause
[Con]	12:15	12:30	B. Michotte de Welle	Global Environmental Constraints on Magnetic Reconnection at the Magnetopause from In-Situ Measurements
[Con]	12:30	12:45	Jörg Büchner	Formation of thin current sheets and reconnection in collisionless turbulent plasmas
[Con]	12:45	13:00	Kazunari Shibata	Calcium Bright Knots and the Formation of Chromospheric Anemone Jets
	13:00	14:00	Lunch Break & Poster	

<Session 7: Laboratory Plasma 2> Chair: Jörg Büchner

[Inv]	14:00	14:20	Lan Gao	Particle Acceleration and Ion Acoustic Waves during Magnetically Driven Reconnection using Laser-Powered Capacitor Coils
[Inv]	14:20	14:40	Yasuhiro Kuramitsu	Magnetic Reconnections in Laser-Produced Plasmas
[Inv]	14:40	15:00	Yongli Ping	Turbulent magnetic reconnection generated by intense lasers
[Con]	15:00	15:15	Jiayong Zhong	Relativistic electron injection acceleration in laser-driven magnetic reconnection plasmas
[Con]	15:15	15:30	Tara Ahmadi	The role of guide field on electrostatic potential and ion temperature profiles
[Con]	15:30	15:45	R Datta	Experiments and simulations of radiative collapse in pulsed-power-driven magnetic reconnection
[Con]	15:45	16:00	Ritoku Horiuchi	Profile relaxation by merging of two spherical-tokamak-type plasmoids
[Con]	16:00	16:15	Peng E	Status of the Space Plasma Environment Simulation Facility
[Con]	16:15	16:30	Cary Forest	A Laboratory Analog of the Parker Spiral in the Big Red Ball
[Con]	16:30	16:45	H. Ji	Multiscale Magnetic Reconnection and the FLARE Project
	16:45		Closing	

Posters

P-1 Yuka Doke Externally Driven Inflow Effect on Current Sheet Dynamics in TS-6 Tokamak Merging Experiment

P-2 Ryo Someya Profile Study of Reconnection Outflow in Tokamak Merging Experiment

P-3 Shinjiro Takeda Soft X-ray Imaging of High Energy Electrons in High-Guide Field Reconnection of TS-6 Merging Tokamak Experiment

P-4 Yunhan Cai Experimental observation of relaxation to Taylor state through ejection of an FRC

P-5 Zitao Hu Magnetohydrodynamic-guiding-center-particle-in-cell Method for Multiscale Plasma Kinetic Simulations

P-6 Yi-Min Huang Do chaotic field lines cause fast reconnection in coronal loops?

P-7 Jack Schroeder 2D Reconstruction of Magnetotail Electron Diffusion Region Measured by MMS

P-8 F. Widmer Mutual Interaction Between Turbulence and Magnetic Island in Toroidal Geometry

P-9 Kentaro Sakai Electron outflow and whistler waves associated with magnetic reconnection in laser-produced plasmas

P-10 King Fai Farley Law Mutual Interaction Between Turbulence and Magnetic Island in Toroidal Geometry

P-11 Shun Kamiya Development of 2D Thomson Scattering Measurement for Electron Heating Characteristics of Guide-field Reconnection in TS-6 Tokamak Merging Experiments