AGENDA

(As of 9/06/16)

Wednesday AM

Presiding: C. T. Russell

Time	Presenter	Title
9:00	J. L. Burch	Electron Diffusion Regions with MMS
9:30	M. Hesse	The Electron Diffusion Region for Asymmetric Guide Field Reconnection
9:45	L-J. Chen	How do properties of the electron diffusion region depend on the guide field?
10:00	N. Bessho	Electron distribution functions and waves in the electron diffusion region in asymmetric reconnection
10:15	L. Alm	Reconstructing the EDR of the October 16th Event in a 2D Parametric Space
10:30		Coffee Break
10:45	D. Graham	Electron distributions and wave activity associated with an electron diffusion region
11:00	G. Lapenta	Crescents and Reconnection
11:15	J. Egedal	Spacecraft observations of a Maxwell Demon coating the separatrix of asymmetric magnetic reconnection with crescent-shaped electron distributions
11:30	R. Torbert	Summary of dissipation in selected EDR events
11:45		Lunch

Poster Session

Presenter	Title
Maria Andriopoulou	Plasma density estimates from spacecraft potential using MMS observations in the dayside magnetosphere
Hiroshi Hasegawa	Reconstruction of the electron diffusion region observed by MMS: First results
Issaad Kacem	Thin current sheet and plasma jet observed within a FTE by MMS

Wednesday PM

Presiding: J. Berchem

Time	Presenter	Title
13:15	P. Pritchett	Particle-in-Cell Simulations of Asymmetric Reconnection and Implications for MMS Data Analysis
13:45	G. Toth	Global MHD with two-way coupled embedded PIC model
14:00	J. Dorelli	Kinetic Structure of the Subsolar Dayside Magnetopause under Northward IMF Conditions
14:15	L. Price	The Effects of Turbulence on Three-Dimensional Magnetic Reconnection at the Magnetopause
14:30	A. Le	Enhanced Electron Heating and Mixing in a 3D Kinetic Simulation for MMS Magnetopause Crossings with Weak Guide Fields
14:45	A. Bhattacharjee	Global Extended MHD Simulations Including Kinetic Effects of MMS Reconnection Events
15:00	Y. Chen	MHD with embedded particle-in-cell (PIC) simulation of Earth's magnetopause reconnection
15:15		Coffee Break
15:30	Y-H. Liu	Suppression of collisionless magnetic reconnection in asymmetric current sheets
15:45	Y. Khotyaintsev	Electron jet of asymmetric reconnection and related electrostatic turbulence
16:00	J. Dargent	The role of the cold ion population on magnetic reconnection at the Earth magnetopause
16:15	J. Holmes	Cold electrons as the drivers of parallel, electrostatic waves in asymmetric reconnection
16:30	M Swisdak	Three-dimensional Particle-in-cell Simulations of an MMS Observation of Guide Field Reconnection at the Magnetopause
16:45	H. Che	Anomalous resistivity and Kinetic Scale Magnetic Reconnection
17:00-19:00		**Reception**

Thursday AM

Presiding: R. J. Strangeway

Time	Presenter	Title
9:00	C. T. Russell	Force Balance at the Magnetopause
9:15	S. Fuselier	Magnetospheric Ion Contributions to Reconnection
9:30	I. Cohen	Observations of energetic particle escape at the magnetopause
9:45	B. Mauk	Species dependent leakage of energetic pariticles across Earth's magnetopause
10:00	C. Zhao	Flux Transfer Events
10:15	S. Smith	MMS FPI high resolution observations of ionospheric plasma in conjunction with FTEs
10:30	M. Zhou	Coalescence of macroscopic flux ropes at the subsolar magnetopause: MMS observations
10:45		Coffee break
11:00	T. Nakamura	Event study of vortex-index reconnection at the magnetopause using MMS observations and fully kinetic simulations
11:15	R. Ergun	Parallel Electric Fields in Guide Field Reconnection
11:30	E. Grimes K. Larsen R. McGuire	Data Access Tutorials: An Introduction
11:45		Lunch

Thursday PM

Presiding: R. Walker

Time	Presenter	Title
13:15	R. Nakamura	Near-Earth dipolarization events observed by MMS and Geotail
13:30	H. Liang	Oxygen Ions in Magnetotail Reconnection
13:45	J. Birn	Plasma Sheet Beams: Simulations and MMS Observations
14:00	T. Moore	The Plasma Sheet Boundary Layer in MMS Observations and in Global Simulations
14:15	H. Spence	Exploring Potential Origins of EPD/FEEPS Electron Microinjection Signatures
14:30	S. Kavosi	Open GGCM simulation of Microinjections events observed by MMS/FEEPS
14:45	G. Poh	MMS Observations of Traveling Compression Regions in the Near-Tail Region
15:00		Coffee break
15:15		
15:30	F. Plaschke	Steepening of magnetopause surface waves: boundary motion, inclination, and thickness
15:45	A. Sturner	Tripolar Magnetic Perturbations Generated by Parallel Electron Hall Currents in Kelvin-Helmholtz Waves
16:00	J. Berchem	Multiscale Kinetic Simulations of the Magnetopause
16:15	T.Leonard	Examination of Energetic Electron Acceleration in the Vicinity of Earth's Dayside Magnetopause with MMS
16:30	J. Webster	Constraining Magnetic Reconnection Characteristics with the Magnetospheric Multiscale (MMS) Mission
16:45	K-J. Hwang	MMS observations of the outer electron diffusion region

Thursday PM – Slichter 6850

Presiding: H. Hietala

Time	Presenter	Title
13:15	S. Schwartz	The anatomy of a young Hot Flow Anomaly at the Earth's bow shock
13:35	H. Y. Wei	Whistler Waves in the bow shock
13:55	K. Goodrich	MMS Observations of Parallel Electric Fields Associated with Bow Shocks
14:15	J. Westlake	MMS-EIS Observations of Energetic Ions at the Bow Shock
14:35	M. Oka	Electron acceleration at the Earth's quasi-perpendicular bow shock: MMS observation
14:55	A. Johlander/ S. Schwartz	Rippled quasi-perpendicular shock observed by MMS
15:15		Coffee Break
15:30	J. Broll	Observations and simulations of specularly reflected He++ at Earth's quasi perpendicular bow shock
15:45	M. Desai	Dissipation mechanisms and particle acceleration at the Earth’s bow shock
16:00	I. Gingell	Signatures of the ion Weibel instability in phase I quasi-perpendicular bow shock crossings
16:15	D. Mackler	Plasma Turbulence in Earth’s Magnetosheath Observed by the Magnetospheric Multiscale Mission on 12 January 2016
16:30	Z. Voros	Current sheets in the turbulent terrestrial magnetosheath
16:45	C. Chen	A New Type of Turbulence at Kinetic Scales in the Earth’s Magnetosheath

Friday AM

Presiding: J. Bortnik

Time	Presenter	Title
9:00	G. Le	Global observations of high-m poloidal waves in the magnetosphere during the recovery phase of the June 2015 magnetic storm
9:20	J. Yoo	Laboratory experiments on magnetic reconnection in support of MMS
9:40	R. P. Sharma	Nonlinear effects associated with whistler wave in magnetic islands
10:00	S. Wang	Two-scale ion meandering caused by the polarization electric field during reconnection
10:20	F. Wilder	Interaction Between Whistler-mode and Electrostatic Waves at the Dayside Magnetopause
10:40		Coffee Break
11:00	J. Buechner	Electron distribution functions formed by component magnetic reconnection and self-generated turbulence
11:20	R. J. Strangeway	MMS Observations of Field-Aligned Currents at the Magnetopause
11:40		Lunch

Friday PM

PresidingL J. Weygand

Time	Presenter	Title
13:00	P. Reiff	Using CCMC modeling for MMS context
13:15	L. Rastaetter	Models, tools and services at the CCMC in support of MMS
13:30	D. Gershman	Spectral Analysis of FPI data
13:45	A. Rager	Calculation of 7.5ms FPI Plasma Moments
14:00		Coffee Break
14:15	D. Newman	3D Visualization and Other Tools for Assessing the Anisotropic and Agyrotropic Structure of FPI Distributions
14:30	K. Bromund	In-Flight Calibration Methods for Temperature-Dependent Offsets in the MMS Fluxgate Magnetometers
14:45	K. Larsen	The MMS Science Data Center
15:00	E. Grimes	MMS plug-ins for SPEDAS: access, analysis and visualization, in conjunction with other Heliophysics assets
15:15	R. McGuire	Access and Use of MMS Data through SPDF Services
15:30		
16:00		Memorial – Maha Ashour-Abdalla

Dated: September 6, 2016