

MMS FALL 2020 Science Working Team Meeting

You must log-in to edit this page

Instructions: how to attend the meeting

Instructions: using Slack to chat with MMS team during meeting

Join our Slack => https://join.slack.com/t/mmsswt102020/shared_invite/zt-hkyfm8m9-8NbEmn~dPkF3PHcRqObtzg

Test & troubleshoot your WebEx connection

SWG: Tuesday, 4-4:45pm Eastern (1-1:45pm Pacific, 10-10:45pm Paris, 5-5:45am Tokyo). Private, invitation from Dr. Burch only.

Please refresh your browser windows frequently as folks will be updating continuously

Tuesday, October 6
10 am Eastern (7 am Pacific, 4 pm Paris, 11 pm Tokyo)

PLENARY SCIENCE SESSION

Major Developments not yet familiar to the team

DROP YOUR PLENARY PRESENTATIONS AT THIS LINK

Connection Link: **WEBEX-1**

Webex host: Kevin Genestreti

Chair: Burch	Tuesday, October 6 Plenary Science	TIME
10:00am Eastern	Opening, Welcome, Review of Logistics	10 min
10:10	Jim Burch: MMS 2nd Extended Mission Science Opportunities	20 min
10:30	Jason Shuster: Dayside Magnetic Reconnection: Milestones of the MMS Microscope	20 min
10:50	Joachim Birn: Simulations of Energetic Particle Fluxes in the Magnetotail	20 min
11:10	Dan Gershman: Electron Dynamics Resolved with MMS	15 min

Wednesday, October 7
10 am Eastern (7 am Pacific, 4 pm Paris, 11 pm Tokyo)

PLENARY SCIENCE SESSION

Major Developments not yet familiar to the team

DROP YOUR PLENARY PRESENTATIONS AT THIS LINK

Connection Link: **WEBEX-1**

Webex host: Kevin Genestreti

Chair: Giles	Wednesday, October 7 Plenary Science	TIME
10:00am Eastern	Opening, Welcome, Review of Logistics	10 min
10:10	Jim Clapsadle/Trevor Williams: 2nd Extended Mission Operational Plans	20 min
10:30	Akhtar Ardakani: Heavy Ions in Nightside Reconnection	15 min
10:45	Rick Wilder: Kinetic Structures Shaping the Flanks : A Review of MMS Kelvin-Helmholtz Discoveries	20 min
11:05	Christine Gabrielse: Meso-Scale Injections from the Plasma Sheet	20 min

Thursday, October 8
10 am Eastern (7 am Pacific, 4 pm Paris, 11 pm Tokyo)

PLENARY SCIENCE SESSION

Major Developments not yet familiar to the team

DROP YOUR PLENARY PRESENTATIONS AT THIS LINK

Connection Link: **WEBEX-1**

Webex host: Kevin Genestreti

Chair: Torbert	Thursday, October 8 Plenary Science	TIME
10:00am Eastern	Opening, Welcome, Review of Logistics	10 min
10:10	Julia Stawarz: Turbulence in the Era of MMS: What we have learned and ways forward	20 min
10:30	Joo Hwang: Magnetosphere Ionosphere Coupling Including Cold Plasma Contributions Review	20 min
10:50	Kai Poh: Dissipating Magnetotail Flux Ropes Overview	15 min

11:25	Leslie Garrison: Outreach and Communication Update	15 min
-------	--	--------

YOU MUST DISCONNECT FROM ONE WEBEX SESSION IN ORDER TO OPEN ANOTHER

11:25	Li-Jen Chen: Faces of the Reconnection Layer: Laminar vs. Turbulent	15 min
-------	---	--------

YOU MUST DISCONNECT FROM ONE WEBEX SESSION IN ORDER TO OPEN ANOTHER

11:05	Katy Goodrich: How MMS Observations have Shocked the World! A Shock Physics Review	20 min
11:25	Kris Larsen/Barbara Giles: 2nd Extended Mission Data Access Initiatives	15 min
11:40	Katariina Nykyri: Daytona, FL, USA Community Workshop	~5 min

YOU MUST DISCONNECT FROM ONE WEBEX SESSION IN ORDER TO OPEN ANOTHER

Tuesday, October 6
1 pm Eastern (10 am Pacific, 7 pm Paris, 2 am Tokyo)

AFTERNOON SPLINTERS (2 HOURS)

SCIENCE DISCUSSION SPLINTERS:
1pm Eastern, 10am Pacific, 7pm Paris, 2am Tokyo

3-min flash talks plus discussion led by the Chairs

Goal: ID major projects/questions underway and those still to be addressed – Spawn further collaborations

EACH SPLINTER HAS ITS OWN LINK FOR ITS AGENDA AND TO DROP PRESENTATIONS

Connection Link: See below or the Connections page

Organizers:	SCIENCE SPLINTER TOPIC
Chairs: Kevin Genestreti, Mojtaba Akhavan-Tafti, Kris Pritchard, Tony Rogers, Yi-Hsin Liu	link to the program and drop box
Webex hosts: KP	Magnetic Reconnection I WEBEX-2

Wednesday, October 7

1 pm Eastern (10 am Pacific, 7 pm Paris, 2 am Tokyo)

AFTERNOON SPLINTERS (2 HOURS)

3-min flash talks plus discussion led by the Chairs

Goal: ID major projects/questions underway and those still to be addressed – Spawn further collaborations

EACH SPLINTER HAS ITS OWN LINK FOR ITS AGENDA AND TO DROP PRESENTATIONS

Connection Link: See below or the Connections page

Organizers:	SCIENCE SPLINTER TOPIC
Chairs: Kevin Genestreti, Mojtaba Akhavan-Tafti, Kris Pritchard, Tony Rogers, Yi-Hsin Liu	link to the program and drop box
Webex hosts: AM	Magnetic Reconnection II WEBEX-2

Thursday, October 8

1 pm Eastern (10 am Pacific, 7 pm Paris, 2 am Tokyo)

AFTERNOON SPLINTERS (2 HOURS)

SCIENCE DISCUSSION SPLINTERS:
1pm Eastern, 10am Pacific, 7pm Paris, 2am Tokyo

3-min flash talks plus discussion led by the Chairs

Goal: ID major projects/questions underway and those still to be addressed – Spawn further collaborations

EACH SPLINTER HAS ITS OWN LINK FOR ITS AGENDA AND TO DROP PRESENTATIONS

Connection Link: See below or the Connections page

Organizers:	SCIENCE SPLINTERS TOPIC
Chairs: Bill Matthaeus, Narges Ahmadi, Owen Roberts, Riddhi Bandyopadhyay, Alex Chasapis	link to the program and drop box
Webex host: KG	Kinetic Turbulence WEBEX-2

Chairs: Pat Reiff, Jason Shuster, Rumi Nakamura	link to the program and drop box
Webex hosts: KD	Kinetic Structures in the Magnetosphere WEBEX-3

YOU MUST DISCONNECT FROM ONE WEBEX SESSION IN ORDER TO OPEN ANOTHER

Chairs: Joo Hwang, Rick Wilder, Katariina Nykyri	link to the program and drop box
Webex hosts: RS	Kinetic Structures Shaping the Flanks WEBEX-3

Chairs: Ian Cohen, Drew Turner, Christine Gabrielse, Trevor Leonard	link to the program and drop box
Webex hosts: KD	Inner Magnetospheric Dynamics <ul style="list-style-type: none"> • https://swri.webex.com/meet/kristie.llera • WEBEX LINK HAS BEEN UPDATED, USE LINK ABOVE!

YOU MUST DISCONNECT FROM ONE WEBEX SESSION IN ORDER TO OPEN ANOTHER

Chairs: Hadi Madanian, Li-Jen Chen, Mihir Desai, Steven Schwartz	link to the program and drop box
Webex hosts: MS	Shock Physics WEBEX-3
Chairs: Stephen Fuselier, Sergio Toledo	link to the program and drop box
Webex hosts: KL	Magnetosphere Ionosphere Coupling including Cold Plasma Contributions WEBEX-4

YOU MUST DISCONNECT FROM ONE WEBEX SESSION IN ORDER TO OPEN ANOTHER

Please be aware of the more convenient time slots for our Pacific and European Colleagues and prioritize those for their participation

Tuesday, October 6

30-min VIRTUAL POSTER CONNECTIONS

Simultaneous discussions to switch between –
 > every 10 min, presenter gives short summary and invites discussion
 Presenters choose their most convenient time block and enter their information below

AFTERNOON POSTERS #1 (5pm Eastern, 2pm Pacific, 11pm Paris, 6am Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

Wednesday, October 7

30-min VIRTUAL POSTER CONNECTIONS

Simultaneous discussions to switch between –
 > every 10 min, presenter gives short summary and invites discussion
 Presenters choose their most convenient time block and enter their information below

MORNING POSTERS (9am Eastern, 6am Pacific, 3pm Paris, 10pm Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

Thursday, October 8

30-min VIRTUAL POSTER CONNECTIONS

Simultaneous discussions to switch between –
 > every 10 min, presenter gives short summary and invites discussion
 Presenters choose their most convenient time block and enter their information below

MORNING POSTERS (9am Eastern, 6am Pacific, 3pm Paris, 10pm Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

WebEx Hosts: Michael Starkey, Kevin Genestreti

WebEx link: [WEBEX-Posters-1](#)

Tuesday, October 6 5pm Eastern, 2pm Pacific, 11pm Paris, 6am Tokyo	Poster Title	Connection
Shan-Chang Lin	Fast magnetic reconnection induced by resistivity gradient in MHD simulations	(Breakout sessions)
Space for walk-on	Enter your presentation title	(Breakout sessions)

AFTERNOON POSTERS #2 (5:30pm Eastern, 2:30pm Pacific, 11:30pm Paris, 6:30am Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

WebEx hosts: Kris Pritchard, Kristie LLera

WebEx link: [WEBEX-Posters-2](#)

Tuesday, October 6 5:30pm Eastern, 2:30pm Pacific, 11:30pm Paris, 6:30am Tokyo	Poster Title	Connection
Richard Denton	Polynomial reconstruction using data from a range of time	(Breakout sessions)
Space for walk-on	Enter your presentation title	(Breakout sessions)

WebEx Hosts: Andy Marshall, Kristie LLera

WebEx link: [WEBEX-Posters-1](#)

Wednesday, October 7 9am Eastern, 6am Pacific, 3pm Paris, 10pm Tokyo	Poster Title	Connection
Hiroshi Hasegawa, et al.	Linear eigenmode analysis of the tearing instability in electron-scale current sheet with nongyrotronic electron pressure	(Breakout sessions)
Rungployphan Kieokaew et al.	Statistical Relationship between IMF Conditions and the Helicity Sign of FTE Flux Ropes	(Breakout sessions)
Naritoshi Kitamura	Estimation of inhomogeneity factor for nonlinear wave particle interaction in an EMIC wave event	(Breakout sessions)
Enter your name	Enter your presentation title	(Breakout sessions)

AFTERNOON POSTERS #1 (5pm Eastern, 2pm Pacific, 11pm Paris, 6am Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

WebEx Hosts: Joo Hwang, Kevin Genestreti

WebEx link: [WEBEX-Posters-1](#)

WebEx Hosts: Michael Starkey, Kevin Genestreti

WebEx link: [WEBEX-Posters-1](#)

Thursday, October 8 9am Eastern, 6am Pacific, 3pm Paris, 10pm Tokyo	Poster Title	Connection
Giovanni Lapenta, David Newman, Martin Goldman, Stefan Eriksson	3D Simulation of electron scale turbulent currents in reconnection outflows	(Breakout sessions)
Quentin Lenouvel	Identification of Electron Diffusion Regions with an AI approach on MMS data at the Earth's magnetopause	(Breakout sessions)
Mark Hubbert	Electron-Only Tail Current Sheets and their Temporal Evolution	(Breakout sessions)
Enter your name	Enter your presentation title	(Breakout sessions)

AFTERNOON POSTERS #1 (5pm Eastern, 2pm Pacific, 11pm Paris, 6am Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

WebEx Hosts: Joon Kim, Kevin Genestreti

WebEx link: [WEBEX-Posters-1](#)

Thursday, October 8 5pm Eastern, 2pm Pacific, 11pm	Poster Title	Connection

Wednesday, October 7 5pm Eastern, 2pm Pacific, 11pm Paris, 6am Tokyo	Poster Title	Connection
Paul Cassak, Haoming Liang, Hasan Barbhuiya, Oreste Pezzi, Sergio Servidio, Francesco Valentini, Gary Zank	Kinetic Entropy-Based Measures of Distribution Function Non-Maxwellianity: Theory and Simulations	(Breakout sessions)
Charlie Farrugia, Tony Rogers, Roy Torbert, Kevin Genestreti, Takuma Nakamura et al.	An encounter with the ion and electron diffusion regions during flapping of a twisted tail current sheet	(Breakout sessions)
Rhyan Sawyer	TRICE 2 Observations of Low-Energy Ion Upflows Near the Poleward Edge of the Cusp	(Breakout sessions)
Michael Starkey	Energization of He ⁺ pickup ions at quasi-perpendicular shocks	(Breakout sessions)

AFTERNOON POSTERS #2 (5:30pm Eastern, 2:30pm Pacific, 11:30pm Paris, 6:30am Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

WebEx Hosts: Kyunghwan Dokgo, Kristie LLera

Paris, 6am Tokyo		
Steve Schwartz et al.	Current Sheets in the Earth's Quasi-parallel Magnetosheath	(Breakout sessions)
Owen Roberts, Jessica Thwaites, Luca Sorriso-Valvo, Rumi Nakamura, Zoltan Voros	Higher-order statistics in compressive solar wind plasma turbulence: High-resolution density observations from MMS	(Breakout sessions)
Ivan Vasko	Electrostatic fluctuations in the Earth's bow shock	(Breakout sessions)
Enter your name	Enter your presentation title	(Breakout sessions)

AFTERNOON POSTERS #2 (5:30pm Eastern, 2:30pm Pacific, 11:30pm Paris, 6:30am Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

WebEx Hosts: Rhyan Sawyer, Kristie LLera

WebEx link: [WEBEX-Posters-2](#)

Thursday, October 8 5:30pm Eastern, 2:30pm Pacific, 11:30pm Paris, 6:30am Tokyo	Poster Title	Connection
Naoki Bessho	Kinetic instabilities and magnetic reconnection in the Earth's	(Breakout sessions)

WebEx link: [WEBEX-Posters-2](#)

Tuesday, October 6 5:30pm Eastern, 2:30pm Pacific, 11:30pm Paris, 6: 30am Tokyo	Poster Title	Connection
Anthony Rogers, et al.	An update on ion-scale current sheet distribution in the geomagnetic tail	Webex Posters 2

	quasi-parallel bow shock	
Scott Boardsen	Exploring Coherent Wave Signatures in Ion and Electron Phase Space Density Measurements	(Breakout sessions)
Enter your name	Enter your presentation title	(Breakout sessions)
Enter your name	Enter your presentation title	(Breakout sessions)

AFTERNOON POSTERS #3 (6 pm Eastern, 3pm Pacific, 12am Paris, 7am Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

WebEx Hosts: Kevin Delano, Kristie Llera

WebEx link: [WEBEX-Posters-1](#)

Wednesday, October 7 6pm Eastern, 3pm Pacific, Midnight Paris, 7am Tokyo	Poster Title	Connection
Ivan Vasko	Multisatel lite MMS Analysis of Electron Holes in the Earth's Magnetotail: Origin, Properties, Velocity Gap, and Transverse Instability	WEBEX-Posters-1

AFTERNOON POSTERS #3 (6 pm Eastern, 3pm Pacific, 12am Paris, 7am Tokyo)

DROP YOUR POSTER AT THIS [DROP BOX HERE](#), WE'LL LINK IT TO YOUR SESSION BELOW

WebEx Hosts: Hadi Madanian, Kevin Genestreti

WebEx link: [WEBEX-Posters-1](#)

Thursday, October 8 6pm Eastern, 3pm Pacific, Midnight Paris, 7am Tokyo	Poster Title	Connection
Shan Wang et al.	MMS observations of 3s ULF waves	(Breakout sessions)
Enter your name	Enter your presentation title	(Breakout sessions)
Enter your name	Enter your presentation title	(Breakout sessions)
Enter your name	Enter your presentation title	(Breakout sessions)

After the posters –
join us for a social
hour!