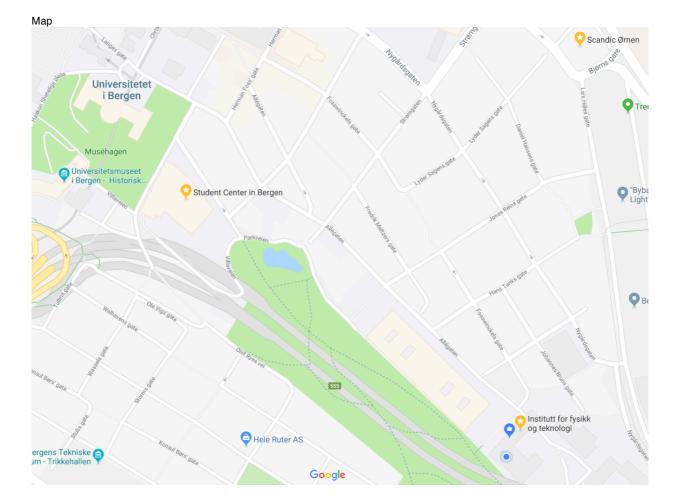
## MONDAY, 11. June (Allégaten 55, IFT building)

BREAKOUT SESSIONS

10:00-15:00	FIELDS team meeting (room 359)
10:00-15:00	HPCA team meeting (room 366)
12:30-15:00	TM team meeting (room 546)
15:00-17:00	SPEDAS tutorial (room 546)
15:00-18:00	SWG meeting (SWG only, room 359)



## TUESDAY, 12. June (Scandic Ørnen, Lars Hilles gate 18)

8:30-8:40	Hesse, M.	Welcome and logistics
8:40-9:00	N PHYSICS (Chair: Burch, Jim	Electron Scale Physics of Symmetric and Asymmetric Reconnection from MMS
9:00-9:20 9:20-9:40	Liu, YH Trattner, Karlheinz dayside magnetopa	Orientation and stability of asymmetric magnetic reconnection x-line The transition between anti-parallel and component magnetic reconnection at the Earth's suse
9:40-10:00	Drake, J.F.	A 3D Simulation of a MMS Magnetopause Reconnection Event with a strong guide field
10:00-10:30	Coffee break and p	oster viewing
10:30-10:50	Oieroset, Marit the magnetopause	Strongly driven magnetic reconnection with flux pileup at the interface of colliding jets at
10:50-11:10	Cozzani, G.	Diffusion region's structure at the subsolar magnetopause using
11:10-11:30	Tang, Binbin	MMS observations of electron crescent distributions at the flank magnetopause
11:30-11:50	Pritchard, Kristina	Energization and Movement of Electrons within an EDR with emphasis on the role of En
11:50-12:10	Egedal, Jan reconnection	The kinetic structure of the electron diffusion region observed by MMS during asymmetric
12:10-13:30	Lunch (on-site, inclu	uded) and poster viewing
DIFFUSION REGIO		
13:30-13:50	Yamada, Masaaki and laboratory plasi	The two-fluid dynamics and energetics of the asymmetric magnetic reconnection in space mas
The July 11 2017 F	Event (Chair: Jim Dra	ike)
13:50-14:10	Nakamura, Rumi	Current sheet structure and evolution of 20170711 EDR event
14:10-14:30	,	Fully kinetic simulation of an EDR crossing event observed by MMS on 11 July 2017
14:30-14:50	,	Reconstruction of the magnetotail reconnection region seen by MMS on 11 July 2017
14:50-15:10	Genestreti, K.J.	How accurately can we measure the reconnection rate E_M for the MMS diffusion region
15:10-15:30	event of 2017-07-11 Denton, R.E. magnetotail reconne	Determining the velocity of a magnetic structure, with application to the 11 July 2017
15:30-16:00	Coffee break and p	oster viewing
HEATING AND TU	RBULENCE (Chair: ł	Kevin Genestreti)
16:00-16:20	Eastwood, J.P.	Guide field reconnection: exhaust structure and heating
16:20-16:40	Phan, T.D.	MMS Observations of Electron Magnetic Reconnection without Ion Coupling in the
10.20 10.10	Turbulent Magnetos	
16:40-17:00	Ergun, R.E.	Magnetic Reconnection, Turbulence, and Particle Acceleration
17:00-17:20	Hesse, Michael	The role of separatrix instabilities in heating the outflow region
17:20-17:40	Argall, Matthew	MMS observations of kinetic entropy in the reconnection diffusion region
17:40-18:00	Goldman, M.	Multibeam energy transport
GROUP PHOTO 18:00	TBD location	

## WEDNESDAY, 13. June (Scandic Ørnen, Lars Hilles gate 18)

8:30-8:40	Announcements	
HEATING AND TUI 8:40-9:00	Eriksson, Stefan	Chair: Jason Shuster) MMS Observations of Magnetic Reconnection Exhausts in the Solar Wind Associated pations of the Out-of-Plane Magnetic Field
9:00-9:20	Graham, D.B.	The role of lower hybrid waves in magnetic reconnection
9:20-9:40	Norgren, Cecilia	Electron acceleration and thermalisation at magnetotail separatrices
9:40-10:00	Li, Wenya	Electron Bernstein Waves driven by electron crescents near the electron diffusion
10:00-10:30	Coffee break and po	oster viewing
10:30-10:50	Eriksson, Elin	Electron energization at a reconnecting magnetosheath current sheet
10:50-11:10	Steinvall, Konrad	Multi-Spacecraft Observations of Electron Holes
11:10-11:30	Holmes, Justin	Interior structure of strong electron phase-space holes
	ION EFFECTS (Ch	
11:30-11:50	Tenfjord, Paul	How Oxygen Influences the Reconnection Rate
11:50-12:10	Toledo-Redondo, S in magnetic reconne	ergio Balance of the Ohm's Law under the presence of cold ions of ionospheric origin ection: PIC simulations and MMS observations
12:10-13:30	Lunch (on-site, inclu	uded) and poster viewing
COLD AND HEAVY	ION EFFECTS cont	
13:30-13:50	Alm, Love	Influence of cold ions on magnetotail Hall physics
	(Chair: Joachim Birn)	
13:50-14:10		High-speed jets downstream of the quasi-parallel bow shock
14:10-14:30	· ·	Kinetic Aspects of a Hot Flow Anomaly: MMS Observations
14:30-14:50	Properties	Shock Ripples Observed by the MMS spacecraft: Ion Reflection and Dispersive
14:50-15:10	Khotyaintsev, Yuri Perpendicular Shoc	Observation of Electrostatic Potential Structure and Ion Reflection for a Rippled
15:10-16:00	Starkey, Michael	MMS Observations of He+ pick-up ions at Earth's perpendicular bow shock
15:30-16:00	Coffee break and po	oster viewing
ADVANCED ANAL	YSIS METHODS (Ch	nair: Stefan Eriksson)
16:00-16:20	Cassak, Paul	Kinetic Entropy as a Diagnostic in Particle-in-Cell Simulations of Magnetic Reconnection
16:20-16:40	Shuster, Jason	Resolving Terms of the Vlasov Equation with MMS
16:40-17:00	Escoubet, C. Philipp by Rumi Nakamura)	
17:00-17:20	Toth, Gabor model	Studying reconnection in Earth's magnetosphere using a global MHD with embedded PIC
17:20-17:40	Paterson, William	Tuning Magnetospheric Multiscale's Automated Burst System
17:40-18:00	Reiff, Patricia	Using CCMC Modeling as Context for MMS Events
18:00-18:10	Spann, Jim	NASA's MMS GI program and other updates

18:30 WORKSHOP DINNER (Scandic Ørnen, food included, drinks for purchase)

## THURSDAY, 14. June (Scandic Ørnen, Lars Hilles gate 18)

8:30-8:40	Announcements	
BBFS AND DIPOLA 8:40-9:00	Breuillard, Hugo	Chair: Bob Strangeway) 3D ion-scale dynamics of BBFs and their associated emissions in Earth's magnetotail
9:00-9:20 9:20-9:40 9:40-10:00	using 3D hybrid sim Birn, Joachim Pan, Dong-Xiao LeContel, Olivier	Particle acceleration in dipolarization fronts Properties of electron-scale structures at a dipolarization front Analysis of kinetic structures embedded in a fast earthward flow during a substorm event
10:00-10:30	Coffee break and po	oster viewing
FLUX ROPES (Cha	ir: Elin Eriksson)	
10:30-10:50	Hoilijoki, Sanni magnetopause	Observations of a small-scale flux rope-like structure next to an EDR at the dayside
10:50-11:10 11:10-11:30 11:30-11:50 11:50-12:10	Hwang, KJ. Choi, E. Dogko, K. Stawarz, J.E.	Magnetotail reconnection following a flapping motion of the magnetotail on 17 July 2017 Substructure of an ion-scale flux rope observed in the magnetotail on 17 July 2017 Multiple plasma wave modes in the magnetotail separatrix region on 17 July 2017 Intense electric fields and electron-scale substructure within magnetotail flux ropes as gnetospheric Multiscale mission
12:10-13:30	Lunch (on-site, inclu	uded) and poster viewing
BROADER MMS RI 13:30-13:50 13:50-14:10 14:10-14:30 14:30-14:50 14:50-15:10		lats Andre) Field-Aligned Currents as Observed by Magnetospheric Multiscale The Case for Dust Comets Striking the Magnetosphere Four-spacecraft measurements of the size and dimensionality of magnetic structures On the Occurrence of Magnetic Reconnection Along the Dawn and Dusk Magnetopause Poloidal and Toroidal Mode Field Line Resonances Observed by MMS
15:30-16:00	Coffee break and po	oster viewing
WORKSHOP END		
16:00-17:00	Location: Egget roo 15:30-16:00 Recept 16:00-17:00 Lecture	ael Hesse: The most powerful explosions in space may not be what you think they are m, Student Center (Parkveien 1) ion

POSTERS	
Graham, D.B.	Large-amplitude high-frequency waves at Earth's magnetopause
André, Mats	Cold ions at the magnetopause: Effects at various scales
Dogko, K.	PIC simulation study of nonlinear upper-hybrid waves near EDR
Choi, E.	PIC Simulation of Kelvin-Helmholtz instability at the Dayside Magnetosphere
Hwang, K.J.	FTE generated in the velocity shear layer of Kelvin-Helmholtz vortices
Moretto, Therese	Superdarn / MMS conjunctions
Payne, Dominic	Poynting's Theorem During a Magnetotail EDR Encounter by MMS
Choi, É. Hwang, K.J. Moretto, Therese	PIC Simulation of Kelvin-Helmholtz instability at the Dayside Magnetosphere FTE generated in the velocity shear layer of Kelvin-Helmholtz vortices Superdarn / MMS conjunctions