

Dear THEMISers, ARTEMISers, and friends,

Below please find the agenda for the Post-AGU THEMIS/ARTEMIS SWT. The program is dense so please prepare short presentations: Three slides (5 minutes) for Science presentations and very brief instrument, EPO and mission status. If your talk is missing please let Emmanuel (emasongsong@igpp.ucla.edu) and Tai ([phan@ssl.berkeley.edu](mailto:phan@ssl.berkeley.edu)) know.

See you in SF,

Emmanuel Masongsong, Tai Phan, Vassilis Angelopoulos, David Sibeck

**Location:** Parc 55 Hilton Hotel, San Francisco (55 Cyril Magnin St, San Francisco, near Union Square)

### **THEMIS/ARTEMIS SWT: Saturday, Dec 17, 2015**

#### **Part 1: Status of missions/Instruments/EPO**

8:30-8:35: Intro

8:35-8:45: News and Views from NASA HQ

8:45-9:05: Themis/Artemis overview and future plans (Angelopoulos, Sibeck)

9:05-9:20: Constellation Status, Plans for Future (Sabine Frey for Manfred Bester)

9:20-9:30: Outlook of THEMIS orbits (Sabine Frey)

9:30-9:35: FGM

9:35-9:40: SCM

9:40-9:45: EFI

9:45-9:50: ESA

9:50-9:55: SST

9:55-10:00: THEMIS GBO

10:00-10:05: TReX update (Eric Donovan)

10:05-10:10: THEMIS-ARTEMIS Education/Public Outreach

#### **Break (10:10-10:25)**

10:25-10:30: Cluster mission update (Philippe Escoubet)

#### **Part 2: Science 5-min presentations**

##### **Auroral, Inner Magnetosphere, and Tail Science: (5-min presentations)**

Xinlin Li: Dynamic Evolutions of the Plasmapause based on THEMIS and Empirical Modeling

Michael Hartinger: Inter-hemispheric comparisons of ULF waves using THEMIS/AAL-PIP/DTU Space magnetometers

Stephen Mende: The source of the dayside aurora

Eric Donovan: The Motion of Patchy Pulsating Aurora

Christine Gabrielse: Electron Injections by Multiple Dipolarizing Flux Bundles

Xiaojia Zhang, UCLA EPSS/IGPP: Kinetics of the magnetic holes

Joachim Raeder: OpenGGCM simulations of BBFs and their ionospheric counterparts

Heli Hietala: Ion dynamics in magnetotail reconnection in the presence of density asymmetry

Quanqi Shi: Magnetosphere response to solar wind dynamic pressure change observed by THEMIS

Anton Artemyev: Effects of electron pressure anisotropy on magnetotail current sheet configuration

**Lunch (12:10-13:30)**

San Lu: Hall effect control of magnetotail dawn-dusk asymmetry

Jiang Liu: Themis observations of r1 and r2 currents in the tail

James Weygand: Differences in Onset Times for Hemispherically Conjugate Magnetometers

Howard Singer: New GOES High-Res Magnetic Measurements: Efforts to Create a New 20+ Year Dataset from GOES-8 to GOES-15

**Break (14:30-14:45)**

**Dayside and Lunar Science: (5-min presentations)**

Yuki Harada: ARTEMIS Observations of Upstream Waves and Particles at the Moon

Shahab Fatemi: Foreshock cavity upstream of the moon

Andrew Poppe: ARTEMIS Mapping of Reflected Proton Populations from the Lunar Surface

Hui Zhang: HFA Spatial Structure from Multiple THEMIS Spacecraft Observation

Katie Raymer: Solar cycle influences on the shape and location of the Earth's magnetopause

Heli Hietala: Impacts of magnetosheath high-speed jets: association with magnetopause reconnection

Lina Hadid: Data analysis of the Themis spacecraft mission to study the turbulence properties in the solar wind

Sun Lee: Quasi-parallel shock observed by MMS