

Dear THEMISers, ARTEMISers, and friends,

Below please find the agenda for the Post-AGU THEMIS/ARTEMIS SWT. 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) know.

See you in D.C.,

Emmanuel Masongsong, Tai Phan, Vassilis Angelopoulos, David Sibeck

Location: *Georgetown Ballroom* - Hilton Garden Inn - 815 14th St NW, Washington, DC 20005

THEMIS/ARTEMIS SWT: Saturday, Dec 15, 2018

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

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

9:30-9:35: FGM (K-H Glassmeier)

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

10:05-10:10: THEMIS-ARTEMIS Education/Public Outreach (Emmanuel Masongsong)

10:10-10:15: Cluster status and synergies with THEMIS and MMS (P. Escoubet)

10:15-10:20: CubeSat: Colorado Inner Radiation Belt Experiment (CIRBE) (Xinlin Li)

10:20-10:25: Calibration and First-Light of the ELFIN Instrument Suite (Colin Wilkins)

Break (10:25-10:40)

Part 2: Science 5-min presentations

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

Weygand, James: *Temporal and spatial development of TECs and SECs during substorms*

Gabrielse, Christine: *Active time meso-scale flow statistics observed by SuperDARN*

Zhang, Xu: *Whistler and Electron Firehose Instability Control of Electron Distributions in and Around Dipolarizing Flux Bundles*

Panov, Evgeny: *Dawnward Drifting Interchange Heads in the Earth's Magnetotail*

Xu, Sixue: *Intense Cross-Tail Field-Aligned Currents in the Plasma Sheet at Lunar Distances*

Lu, San: *Collisionless magnetic reconnection controlled by background beta*

Connors, Martin: *No warp drive, use Impulse Power!*

Archer, Martin: *First results from sonification and exploratory citizen science of M'spheric ULF waves*

Hartering, Mike: *Characterizing MHD fast mode waves outside the plasmasphere*

Bhanu, Remya: *Role of substorm injections in triggering EMIC waves in the Earth's magnetosphere*

Medeiros, Claudia: *Using deep learning to find EMIC waves signatures*

Wu, Yen-Jung: *Dayside high latitude convecting patches*

Olifer, Leonid: *On the Analysis of the Radial Diffusion Coefficients During the March 2015 Geomagnetic Storm*

Lunch (12:20-13:30)

Dayside and Lunar Science: (5-min presentations)

Artemyev, Anton: *Kinetics of magnetic field discontinuities in solar wind*

Liu, Terry: *Particle acceleration at a magnetosheath jet-driven shock*

Poppe, Andrew: *Comparing fluxes of reflected protons and exospheric pickup ions at the Moon*

Xu, Shaosui: *Mapping the Lunar Wake Potential Structure with ARTEMIS Data*

Vasko, Ivan: *Whistler generation by halo electrons in the solar wind (ARTEMIS data)*

Zhou, Xiaoyan: *The Role of Energetic Ions in Solar Wind Interaction with the Lunar Wake*

Zhou, Xiaoyan: *Criticality of Interplanetary shocks*

Zhou, Xiaoyan: *Interplanetary Shocks in the 24th Solar Cycle: Observations from ARTEMIS Spacecraft*

Archer, Martin: *First direct observations of a surface eigenmode of the dayside magnetopause*

Shi, Quanqi: *K-H wave observations using THEMIS/ARTEMIS and other satellites*