Dear THEMISers, ARTEMISers, and friends,

Below please find the agenda for the Post-AGU THEMIS/ARTEMIS SWT. Please prepare short presentations: 3 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 S.F.,

Emmanuel Masongsong, Tai Phan, Vassilis Angelopoulos, David Sibeck

Location:
SF State University Downtown Campus (next to Walgreens on Market St.)
835 Market St, 6th Floor

THEMIS/ARTEMIS SWT: Saturday, Dec 14, 2019

Part 1: Status of missions/Instruments/EPO
8:30-8:40: Intro (Vassilis)
8:40-8:55: HQ on the Gateway Science (J. Spann)
8:55-9:10: Themis/Artemis mission status and future plans (Angelopoulos, Sibeck)
9:10-9:20: SPEDAS and pySPEDAS (Jim Lewis)
9:20-9:30: THEMIS Future 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: Status of GBO (E. Donovan)
10:00-10:05: Status of TRELX (E. Donovan)
10:05-10:10: THEMIS-ARTEMIS Education/Public Outreach (E. Masongsong)
10:10-10:15: Cluster status and coordination with THEMIS and MMS (P. Escoubet)
10:15-10:20: Status of the Spherical Elementary Current Systems Data Set (J. Weygand)
10:20-10:25: The DTU Magnetometer Program and the MAG-SWE-DAN Project (T. Edwards)

Break (10:25-10:40)

Part 2: Science 5-min presentations

Dayside and Lunar Science: (5-min presentations)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tr>
<td>Michael Hartinger</td>
<td>Statistical relationship between ULF wave power and magnetopause location</td>
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<td>Xiaojia Zhang</td>
<td>ULF and periodic VLF waves induced by magnetopause dynamics</td>
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<td>Laura Vuorinen</td>
<td>Magnetosheath jets and their effects under different IMF orientations</td>
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<tr>
<td>Heli Hietala</td>
<td>Magnetosheath Jets: Global 3D hybrid simulations</td>
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<td>Andrew Poppe</td>
<td>ARTEMIS observations of electromagnetically induced fields from the lunar interior</td>
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<td>Shaosui Xu</td>
<td>Reflected protons in the lunar wake and their effects on wake potentials</td>
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<td>Xiaoyan Zhou</td>
<td>Escaping energetic ions and interplanetary shock criticality</td>
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<td>Anton Artemyev</td>
<td>Ion nongyrotropy in solar wind discontinuities</td>
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<td>Dmitri Vainchtein</td>
<td>Solar wind transient currents: statistical properties and impact on Earth's magnetosphere</td>
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<tr>
<td>Li-Jen Chen</td>
<td>Kinetic modeling of extreme solar driving for planet Earth and its Moon: first grounding reality from a storm</td>
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Lunch (12:20-13:20)

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

Jimmy Raeder  
Connection between BBFs and Auroral Streamers

Xu Zhang  
Energy transport by whistler waves around dipolarizing flux bundles

Christine Gabrielse  
Using Van Allen Probes and THEMIS as a Daily Radiation Belt Monitor

Christine Gabrielse  
Energy Flux and Conductance from Meso-Scale Auroral Features: Utilizing THEMIS ASIs for 2D Analysis

Quanqi Shi  
Solar wind dynamic pressure change and the possible aurora response

Colin Wilkins  
Initial Survey of Energetic Particle Fluxes Measured by the ELFIN Spacecraft

Kun Zhang  
Electron precipitation as measured by LEO satellites

San Lu  
Energetic electron acceleration by ion-scale magnetic islands in turbulent magnetic reconnection: Particle-in-cell simulations and ARTEMIS observations

Jinxing Li  
Statistics of substorm and non-substorm fast flows: Themis observations

Steven Xu  
Statistics of Current Sheets at Lunar Distance