2016 miniGEM QARBM Session Schedule

Location: Gold Rush A Room, Holiday Inn Golden Gateway
Date: Sunday, December 11, 2016

Session 1 (13:50-15:20 PM, 5 min/talk)

1. **Mary Hudson:** ULF Wave Analysis and Radial Diffusion Calculation Using a Global MHD Model for the 17 March 2015 Storm and Comparison with the 17 March 2013 Storm

2. **Xiaochen Shen:** Statistical study the radiation belt evolution during CME-driven and CIR-driven storms, Van Allen Probes observations

3. **Jacob Bortnik:** Prediction of ultra-relativistic electron flux dynamics through a fusion of machine-learning and physics-based models

4. **Yuri Shprits:** Results from the recently launched Lomo mission

5. **Jinxing Li:** "Zipper-like" periodic magnetosonic waves: Van Allen Probes, THEMIS, and Magnetospheric Multiscale Observations

6. **Yoshi Omura**: Relativistic electron acceleration and precipitation by chorus and EMIC rising-tone emissions with subpacket structures

7. **Caitano da Silva:** Characterizing the interaction between whistler-mode chorus and energetic electrons via test particle simulations

8. **Oleksiy Agapitov:** Exclusion principle for very oblique and parallel lower band chorus waves

9. **Homayon Aryan:** CIMI simulations with multi-parameter chorus and plasmaspheric hiss models

Session 2 (15:30-17:00 PM, 5 min/talk)

1. **Bruce Tsurutani:** The Cause and Consequences of RB dropouts

2. **Louis Ozeke:** Shedding New Light on the Ultra-Relativistic Election Flux Loss and Recovery during the March 2013 Storm

3. **Yihua Zheng:** Assessing radiation belt models' performance in impact analysis

4. **Xiaojia Zhang:** Statistical distribution of EMIC wave spectra using Van Allen Probes observations

5. **Xiangning Chu:** Erosion and refilling of the plasmasphere during challenging storm events using a neural network model

6. **Irina Zhelavskaya:** Global Dynamic Evolution of the Bulk Plasma Inferred with Neural Networks

7. **Thiago Brito:** Event-fitted approach to improving accuracy of magnetic field models during challenge periods

8. **Qianli Ma:** Simulation of electron flux enhancements during GEM challenge events

9. **Steve Morley:** GPS data for the Challenge events