

Session 2: Magnetosphere – Ionosphere – Thermosphere Coupling Drivers and Impacts

Chair – Binzheng Zhang and Yanshi Huang

Conveners – Hyunju Connor, Cheryl Huang, Haje Korth, and Gang Lu

1. **Introductory Remarks**
2. **Steven Kaeppler:** Combined optical and incoherent scatter specification of high latitude electron flux and conductance
3. **Yakov Dimant:** Magnetosphere-Ionosphere-Thermosphere coupling through anomalous ionospheric conductivity
4. **Jing Liu:** Anomalous electron heating effects on the E region ionosphere in TIEGCM
5. **George Khazanov:** SE coupling in the region of diffuse aurora
6. **Hyunju Connor:** The role of superthermal electron MI coupling physics in the calculation of ionospheric conductance
7. **Michael Mendillo:** Stable Auroral Red (SAR) Arcs: Complex modes of inner-magnetosphere-ionosphere coupling
8. **Jun Liang:** Strong electron temperature enhancement in the upper F-region ionosphere associated with pulsating auroras: A Swarm survey
9. **Haje Korth:** Storm-time large-scale Birkeland currents: Comparison of AMPERE observations with model results
10. **Jiannan Tu:** Dynamics of Field-aligned Current Propagation and Pedersen Current Formation
11. **Kyoung-Joo Hwang:** KH Vortex-generated field-aligned currents Formation
12. **Chigomezoyo Ngwira:** Multi-instrument analysis of surface geoelectric field drivers
13. **Yang Lu:** Observations of Poynting flux in the dayside cusp region at different altitudes
14. **Michael Wiltberger:** Effect of Anomalous electron heating in Coupled LFM-RCM Simulations of the March 17-18, 2013 geomagnetic storm
15. **Yongliang Zhang:** Auroral features from FUV observations

Please submit abstracts to our 2016 AGU Fall meeting sessions:

SM008. Field-aligned Currents, Poynting Flux, Auroral Precipitation and their Role in Magnetosphere – Ionosphere – Thermosphere Coupling

Conveners: Hyunju Connor, Haje Korth, Gang Lu and Binzheng Zhang

SA006. Challenges in Understanding Energy Budget of Ionosphere-Thermosphere: Coupling with the Solar Wind and Driving from Below

Conveners: Olga P Verkhoglyadova, Cheryl Y Huang, Martin G Mlynczak, Yanshi Huang