

The Ionospheric Source of Magnetospheric Plasma—Measuring, Modeling and Merging Into the GEM GGCM Focus Group Agenda for GEM 2013

Presentations should be planned for 10 minutes with 5 minutes of discussion

Session 4-1: Observational and Modeling Mysteries—June 19, 10:30am, Salon D

- Bob Schunk--Neutral Polar Wind Mysteries
- Rick Chappell--The Low Energy Invisible Plasma Mystery
- Bill Lotko--Issues, Challenges and Advances Required for Outflow and Magnetospheric Modeling
- Joe Borovsky--The Plasma Cloak: Where It Comes From, How Often It Occurs, and Its Impact On Dayside Reconnection.
- Dan Welling--Outflow Effects on CPCP
- Naritoshi Kitamura--The Effect of Photoelectrons on the Polar Wind

Session 4-2: The Magnetosphere-Ionosphere System With and Without Outflow-- June 19, 1:30pm, Salon D

- Dan Welling--Outflow versus No Outflow: Difficulties of Excluding Outflow
- Schunk/Abdallah--Escape of Plasma and Neutral Gas from the Earth's Upper Atmosphere
- Lynn Kistler--Relationship Between Sawtooth Events and O⁺ in the Plasma Sheet
- Yanhua Liu--The Thickness of O⁺ Mediated Reconnecting Current Sheet
- Alex Glocer--Superthermal Electrons and MI Coupling in Modeling Ionospheric Outflow
- Roger Varney—The Nature of Heat Flows Into the Daylit Polar Cap Ionosphere

Session 4-3: General Contributions in Measurements, Modeling and Merging— June 19, 3:30pm, Salon D

- Dennis Gallagher--Dynamics Explorer-1 Ion Densities and Temperatures
- Richard Denton, Jonathan Krall, Joe Huba--SAMI3 Plasmasphere Simulations
- Eric Donovan--Mechanisms of Energetic Mass Ejection Explorer (MEMEX) Mission
- Karimabadi Homayoun--What Can We Gain By Coupling the Ionospheric Models To 3D Global Hybrid Simulations?

Session 4-4: Focus Group Planning Session—June 20, 10:30am, Salon D

- Suggestions, mini-presentations and discussion are encouraged to guide future focus group activities.