

Session Facilitator: Peter Young (NASA Goddard)

The connection between atmospheric activity, surface flows, and the magnetic field

- Major Science Questions:
 - How is the corona heated?
 - How is the solar wind accelerated?
 - How are eruptions and flares triggered?
- What do we need to do?
 - Quantify the different components of coronal heating.
 - Quantify the energy budget for reconnection in the atmosphere.
 - Quantify the magnetic field configurations and surface flows that lead to heating and eruptions.
- Future directions
 - Modeling: higher resolution, multi-scale hybrid modeling, dynamic field extrapolations, atomic physics and processes
 - Observations: higher resolution, integral field spectroscopy, all-atmosphere spectral coverage/magnetograms

