PASSIVE OPTICS WORKSHOP

Detailed agenda 08:30 – 12:00, 13:00 – 18:00

**Morning Chair**  
John Meriwether

HAO  
Michael Knölker  
Welcome

Tim Killeen

John Meriwether  
Passive optics: Quo Vadis?

Bob Kerr  
NSF perspective on passive optics

Jeff Baumgardner  
CCD detectors and their applications in optical aeronomy

Josh Semeter  
Discrete auroral imaging: Instrumentation and techniques

Farzad Kamalabadi  
New advances in tomographic experiments

Break

Jon Makela  
F-region applications of all-sky imagers

Eric Donovan  
Report on the Canadian all-sky imaging network

Mamoru Ishii  
Passive optics activities in Japan

Edwin Mierkiewicz  
Possible aeronomy applications of the SSH technology

Mark Conde  
Passive optical aeronomy during daylight

Carl Nardell  
Recent advances in Fabry-Perot Systems

John Noto  
Fabry-Perot Spectrometers: Extant to Esoteric

Lunch  
12:00 – 13:00

**Afternoon Chair**  
Mark Conde

Fred Biondi  
Absolute doppler calibration of FPI instrumentation

Tom Slanger  
Rationale for a new spectrographic airglow instrument

Lyle Broadfoot  
Experimental design for a new airglow/auroral instrument

Bob Schunk  
USU GAIM: The need for real-time neutral wind measurements

Aaron Ridley  
Using a global ionosphere thermosphere model to better  
understand the high-latitude neutral winds

Break

Ray Roble  
TIME-GCM simulations of airglow, doppler temperature and  
doppler winds as observed from ground stations

Gary Swenson  
Momentum flux of GW's in the mesosphere from correlative  
observations

Mike Taylor  
Gravity wave imaging science and chain measurements

David Fritts  
Potential to quantify gravity waves dynamics with airglow imagers  
and associated instrumentation