

AGENDA

4th Workshop on Hyperspectral Science of UW-Madison MURI, GIFTS, and GOES-R

THE PYLE CENTER
UNIVERSITY OF WISCONSIN-MADISON
702 LANGDON STREET, MADISON (608-262-1122)

27-28 APRIL 2004

Tuesday, April 27

8:30 am	Welcome: Agenda Review & Goals	Huang/Ackerman/Feltz
8:50-9:00 am	Opening Remarks: Workshop Perspective	McCoy/Huang
9:00-9:30 am	NASA GIFTS Measurement Concept Overview	Smith
9:30-10:00 am	GIFTS Instrument Characteristic and Status	Revercomb
10:00-10:30 am	NASA Hyperspectral Technology Programs	Paules

10:30-10:50 am Break

10:50-11:10 am	UW GIFTS/HES Activities Overview	Ackerman
11:10-11:30 am	GOES-R HES Requirements	Schmit
11:30-11:50 am	NOAA GOES-R Risk Reduction Plan Overview	Menzel
11:50-12:10 am	NOAA Hyperspectral Activities	Goldberg

12:10-1:30 pm Buffet Lunch, Ameritech Lounge, First Floor

1:30-1:45 pm	MURI Management & Progress Report	Feltz
1:45-2:05 pm	Clear Forward Models & linear operators	Tobin/Moy
2:05-2:25 pm	Cloudy Fast Forward Model	Davies
2:25-2:45 pm	Simulated Profiles Retrievals: Clear & Cloudy	Li

2:45-3:15 pm Break

3:15-3:30 pm	MURI Subcontractor Reports: Overview	A. Huang
3:30-3:50 pm	Cloud Detection in Hyperspectral Data	Jedlovec/A. Huang
3:50-4:10 pm	Surface Characterization	Lucey
4:10-4:30 pm	Cloud Modeling & Property Retrieval	Yang
4:30-4:50 pm	Hyperspectral Data Compression Study	B. Huang
4:50-5:30 pm	<i>IMAPP AIRS Sounding Demonstration</i>	Baggett/Weisz

6:30 pm **Workshop Dinner Party**
Concourse Hotel, Senate Dining Room A

Wednesday, April 28

8:30-8:50 am	Multiple Spectral and Hyperspectral Wind Demonstration	Velden/Huang
8:50-9:10 am	Demonstration of 3D Water Vapor Tracked Winds	B. Huang
9:10-9:30 am	Cloud Aerosol/Dust Detection & Visibility	Ackerman
9:30-9:50 am	Hyperspectral cloud boundary retrieval	Holz
9:50-10:10 am	Break	
10:10-10:30 am	Hyperspectral Land Surface Modeling & Retrieval	Knuteson
10:30-10:50 am	Infrared Sea Surface Emissivity (IRSSE) Model	Van Delst
10:50-11:10 am	Hyperspectral Applications for Aviation	Feltz
11:10-11:30 am	Automatic GOES Nowcasting of Convective Initiation	Bedka
11:30-12:00 pm	Hyperspectral Signature Survey: Fire Plumes, Volcano Emissions, and Clouds	Tobin
12:00-1:00 pm	Buffet Lunch, Ameritech Lounge, First Floor	
1:00-1:45 pm	UW Hyperspectral Sounder Simulator & Processor: UW-HSSP	Huang
1:45-2:30 pm	Topical Discussion/Recommendations/Survey	All
	<ul style="list-style-type: none">• Current progress and status on hyperspectral sensing research and application?• How would Navy and NOAA use & assimilate hyperspectral data and products?• What are the high priority operational products that Navy and NOAA want?• For hyperspectral data, what science needs to be accomplished to improve weather forecast?• Other topics recommended by attendees• Fill out workshop survey	
2:30-3:20 pm	<i>Hyperspectral Visualization Demonstration</i>	Rink/Tobin
3:20-3:30 pm	Concluding Remarks	McCoy/Menzel/Smith/Huang
3:30 pm	Adjourn/Refreshment	

Workshop Location
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