



JCET
The Joint Center for
Earth Systems Technology

UMBC
AN HONORS UNIVERSITY IN MARYLAND

UMBC Atmospheric Physics 2nd Earth Day Symposium

Date: 20th April 2018

Time: 9:00AM to 3:30PM

Location: Physics Building, Room 401, UMBC

AGENDA

Time	EVENT		
8:50AM	BREAKFAST SERVED		
9:00AM	OPENING REMARKS	Dr. L. Michael Hayden, Physics Department Chair	
9:05-10:00 AM	SESSION 1	NAME	TITLE
		Dr. Zhibo Zhang (UMBC)	The Aerosol Cloud Radiation Observation and Simulation (ACROS) Group at UMBC
		Dr. Pius Lee (NOAA)	The Challenge of Air Quality Forecasting especially for place downwind of larger polluters
		Dr. Eugenia Kalnay (UMD)	Population and Climate Change: HANDY Model
		Dr. Nathan Kurtz (NASA)	Remote Sensing of the Polar Regions with Operation IceBridge and ICESat-2
10:05-10:20 AM	COFFEE BREAK		
10:20-11:05 AM	SESSION 2		
		Dr. David Whiteman(NASA,HU)	Raman Lidar and application to Atmospheric Profiling
		Dr. Pengwang Zhai (UMBC)	Phytoplankton photocompensation: radiative transfer modeling and applications
		Dr. Reed Espinosa (NASA)	Aerosol properties retrieved from in situ measurements of light scattering and absorption made over the contiguous United States

11:05-11:10 AM	SHORT BREAK		
11:10-11:55 AM	SESSION 3		
		Dr. Barry A. Klinger (GMU)	Ocean Circulation, Heat Uptake and Climate
		Dr. John Sullivan (NASA)	Overview of the 2017 OWLETS: Summary of Observations and Initial Results
		Dr. Christopher P. Loughner (NOAA)	Impact of historical air pollution emissions reductions on human health during extreme heat
11:55-12:30 PM	LUNCH		

12:30-1:30PM	SESSION 4		
		Dr. Omar Torres (NASA)	Satellite-based Atmospheric Remote Sensing using near UV observations
		Dr. Peter Colarco (NASA)	Impact of simulated dust particle size on direct radiative forcing and dust lifetime in the NASA Goddard Earth Observing System (GEOS) model
		Dr. Amir Ibrahim (NASA)	Atmospheric correction for hyperspectral ocean color sensors
		Dr. Christopher Barnet (STC)	What can weather satellites tell us about climate?
1:30-2:50 PM	POSTER SESSION		
2:50-3:30PM	CLOSING REMARKS		
3:00-3:30PM	LAB TOURS, ENDING WITH SONDE LAUNCH		