AERONET Science and Application Exchange 2024

SINCE 1993

AERONET
Aerosol Robotic Network

aeronet.gsfc.nasa.gov

Information Packet

Overview

Where and When?

Main Conference: September 17-19th

Samuel Riggs IV Alumni Center, 7801 Alumni Drive, College Park, MD 20742

GSFC - AERONET Tour: September 19th (afternoon)

NASA Goddard Visitor Center, 9432 Greenbelt Rd, Greenbelt, MD 20771

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Visit our website for more information on Agenda, Program, and Hotels:
https://gestar2.umbc.edu/aeronet-science-and-application-exchange/

Join our WhatsApp group to share information and connect with each other!
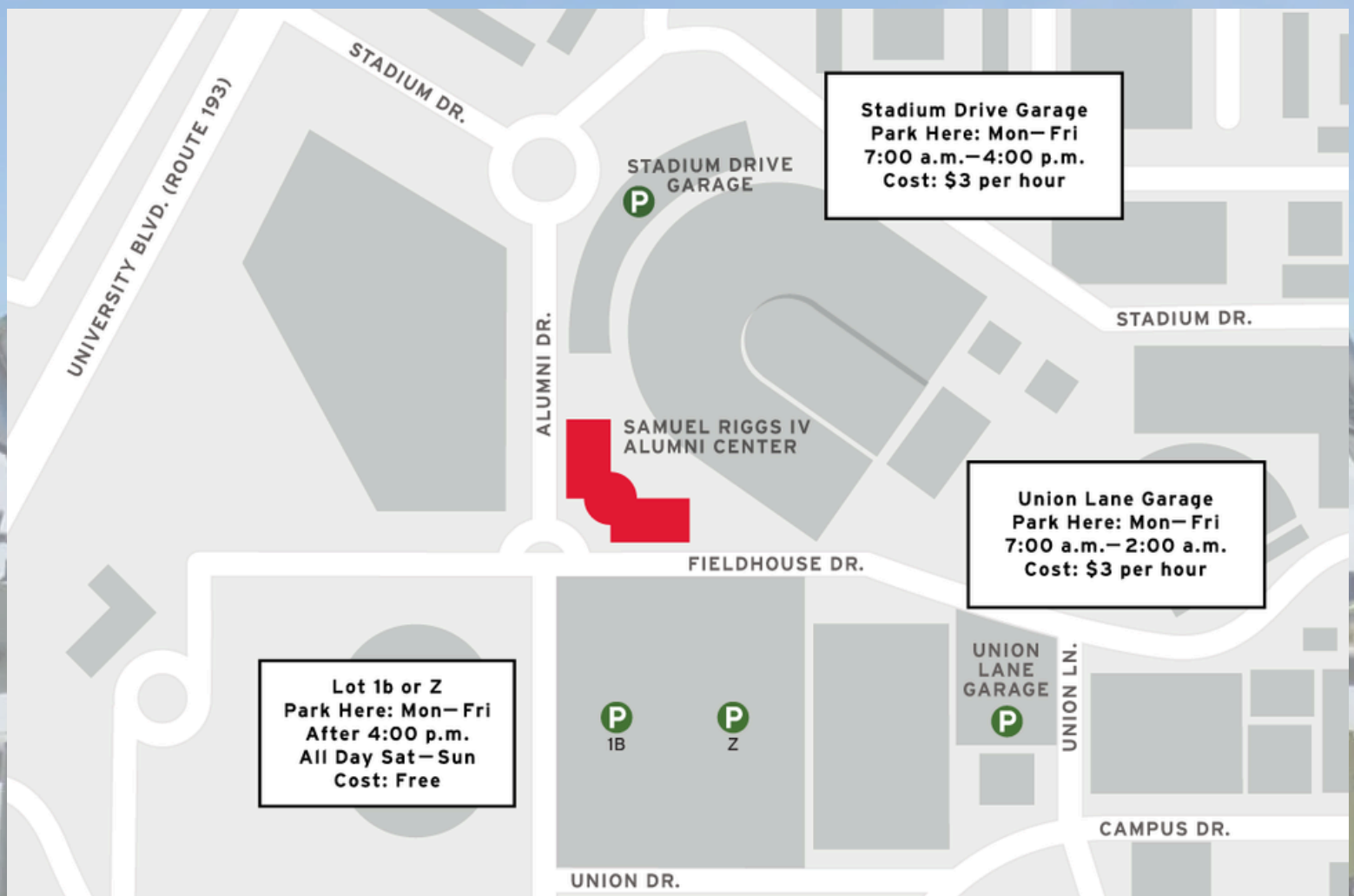https://chat.whatsapp.com/DU4m4IprFbtKwt13CoUb33

AERONET Exchange

Getting to Meeting Venue

- **Attendees are responsible to arrange their own transportation to the meeting**.
- Parking is available at Stadium Drive Garage (7:00 am - 4:00 pm), and at Union Lane Garage (7:00 am - 2:00 am).
- Cost for parking is $4 per hour, with a $20 daily maximum.
- Parking is paid using Pay Stations with credit/debit card or Parkmobile app.
- Additional parking information can be found on the UMD Department of Transportation Services website: **https://transportation.umd.edu/parking/visitors**
- **DO NOT PARK in Lots 1b or Z!**

STADIUM DR.

UNIVERSITY BLVD. (ROUTE 193)

STADIUM DRIVE GARAGE

Stadium Drive Garage
Park Here: Mon—Fri
7:00 a.m.—4:00 p.m.
Cost: $3 per hour

STADIUM DR.

ALUMNI DR.

SAMUEL RIGGS IV ALUMNI CENTER

FIELDHOUSE DR.

Union Lane Garage
Park Here: Mon—Fri
7:00 a.m.—2:00 a.m.
Cost: $3 per hour

Lot 1b or Z
Park Here: Mon—Fri
After 4:00 p.m.
All Day Sat—Sun
Cost: Free

1B

Z

UNION LANE GARAGE

UNION LN.

CAMPUS DR.

UNION DR.

Transportation

- Information on transportation options from the airports to the hotel is provided below at the hotel information page: **https://www.marriott.com/en-us/hotels/wasum-college-park-marriott-hotel-and-conference-center/overview/**

- For additional details on subway and metro stations near the hotel, please refer to the following links: **https://www.wmata.com/rider-guide/stations/college-park.cfm?y=28** and **https://www.wmata.com/service/bus/**

- The distance from the College Park Marriott Hotel to the UMD Alumni is approximately 0.6 miles (1 km). It takes about 16 minutes on foot, or you can use Uber or similar taxi services, which take around 3 minutes. Fares may vary based on time and the number of passengers.

Food and Beverage

- Complimentary coffee, tea, and bottled water is provided in the hallway outside the venue.

- **STAMP Student Union for Lunch** (credit/debit cards accepted)
    - **Closest Entrance**: 379 Fieldhouse Dr. (0.2 miles walk)
    - **Food choices**: Chick-fil-A, Subway, Panera Bread, Qdoba, Union Pizza, Panda Express, Saladworks, Hibachi San, etc.
    - More information with hours of operation: **https:// stamp.umd.edu/home/food_shops_and_services**
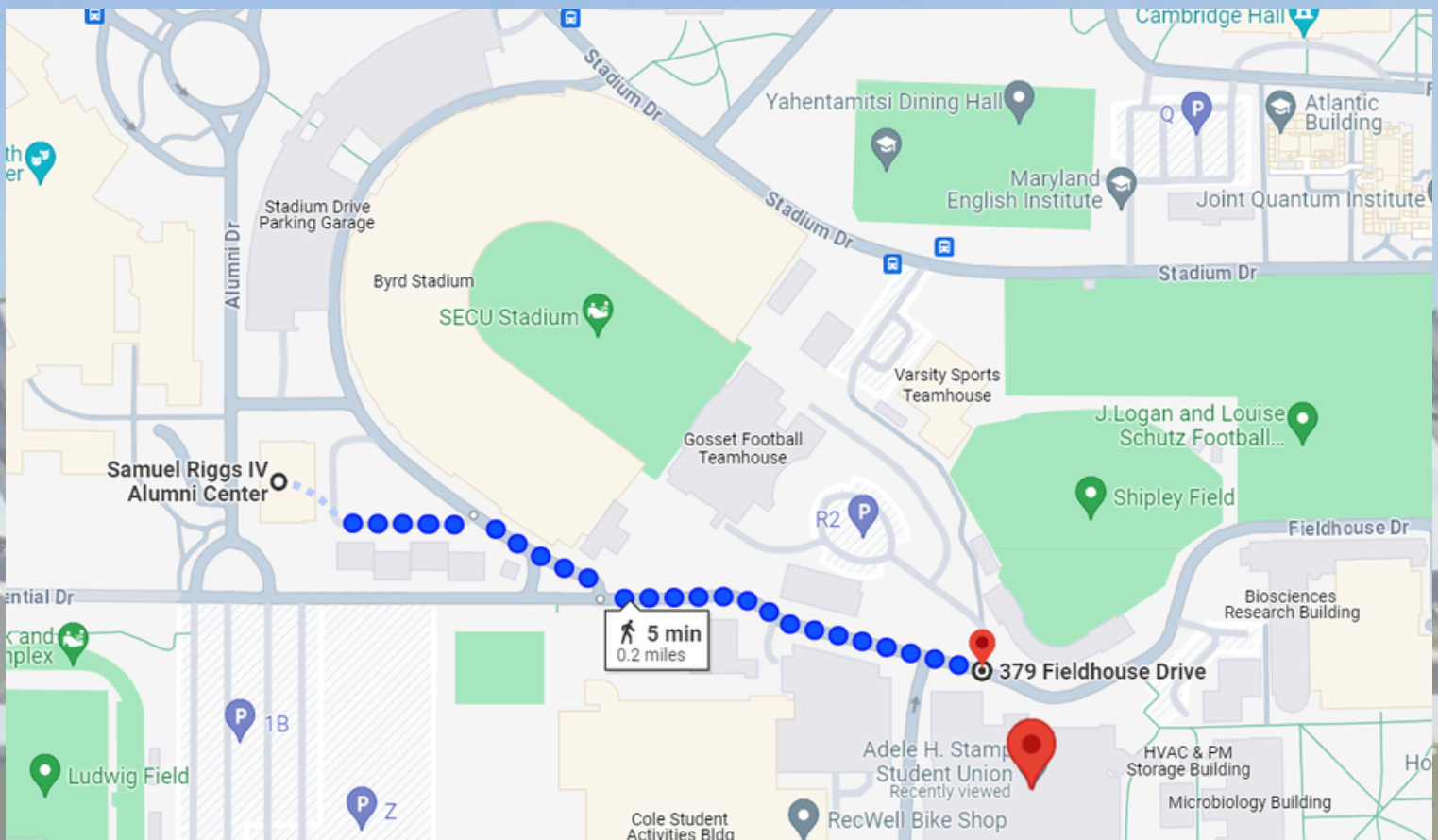
Guest Wireless

University of Maryland Wi-Fi access is available for all guests!

Using a device that can receive SMS text messages:

1. Choose the **umd-guest** network option and follow the prompts to request an account.
2. Access the text message to get your username and password.
3. Sign on!

- You can use your username and password to sign in with up to 3 devices.
- Access expires 24 hours after sign on. You can request a new account if you need additional time.

For more information, visit **go.umd.edu/guest-wifi**.

WiFi Information

Scientific Program - Agenda

Tuesday, 17 September 2024

08:30 - 09:30				**Opening** - Logistics/HQ/Welcome/Goddard
Moderator - Pawan Gupta				
				Charles Ichoku, Director GESTAR II
				Tom Neumann, Deputy Director, ESD, GSFC
				Hal Maring, Program Manager, NASA HQ
				Jack Kaye, Associate Director for Research, ESD, NASA HQ
09:30 - 10:30				
Moderator – Elena Lind				
09:30 - 09:50	Holben, B.	USA	NASA GSFC	AERONET Overview - History
09:50 - 10:10	Reagan, J.	USA	University of Arizona	Celebrating 53+ Years of Spectral Solar Radiometer Atmosphere-Earth Remote Sensing Research, Instrumentation, Applications and External Collaborations
10:10 - 10:30	Crozel, D.	FRA	CIMEL ELECTRONIQUE	Advances in Surface-Based Atmosphere and Surface Observation by Optical Remote Sensing
10:30 - 10:45				**Break 1** - Tea/Coffee
10:45 - 12:35				**Session 2**
Moderator – Sheng-Hsiang (Carlo) Wang				
10:45 - 11:05	Remer, L.	USA	GESTAR II, UMBC	Dancing together: The symbiotic relationship between aerosol satellite remote sensing and AERONET
11:05 - 11:25	Kim, J.	KOR	Yonsei University	AERONET for Satellite Remote Sensing of Aerosols in Asia from Geostationary Earth Orbit: retrieval, analysis, and validation
11:25 - 11:45	Torres, O.	USA	NASA GSFC	Evaluation of Satellite Retrievals of UV Aerosol Optical Depth and Single Scattering Albedo using AERONET Observations
11:45 - 12:00	Ciren, P.	USA	I.M. System Group & NOAA/NESDIS/STAR	Validation of NOAA EPS Aerosol Detection Product with AERONET Measurements
12:00 - 12:15	Sayer, A.	GBR	GESTAR II, UMBC, NASA GSFC	Initial evaluation of the PACE OCI aerosol products using AERONET
12:15 - 12:30	Levy, R.	USA	NASA GSFC	Squares, Circles and Giant Spreadsheets: AERONET and the Dark Target aerosol algorithm
12:30 - 12:35	Wang, C.	TWN	National Central University	APAC Updates
12:35 - 14:00				**Break 2** - Lunch
14:00 - 16:05				**Session 3**
Moderator – Ihab Abboud				
14:00 - 14:20	Reid, J.	USA	US Naval Research Laboratory	Operational applications of AERONET to global aerosol forecasting
14:20 - 14:40	da Silva, A.	USA	NASA GSFC, GMAO	The Critical Role of AERONET for Aerosol Modeling and Data assimilation in GEOS
14:40 - 14:55	Xian, P.	USA	Naval Research Laboratory, Marine Meteorology Division	Intercomparison and evaluation of Aerosol Optical Depths from four reanalyses using AERONET data
14:55 - 15:10	Fabbri, B.	USA	Analytical Mechanics Associates (AMA)	AERONET Operations at Two CERES Radiation and Validation Experiment (CRAVE) Sites
15:10 - 15:30	Chin, M.	USA	NASA GSFC	Obtaining surface PM2.5 concentrations from column AOD observations: Insights from collocated AERONET and EPA data and modeling analysis
15:30 - 15:45	Derimian, Y.	FRA	CNRS/University of Lille	Introducing aerosol inhomogeneity in remote sensing retrievals
15:45 - 16:00	Boichu, M.	FRA	CNRS/University of Lille	Growth and global persistence of stratospheric sulfate aerosols from the 2022 Hunga Tonga–Hunga Ha'apai volcanic eruption
16:00 - 16:05	Abboud, I.	CAN	Environment and Climate Change Canada	AEROCAN Updates
16:05 - 17:30				**Session 4** - Poster Presentations (Part 1)
ADJOURN				

Wednesday, 18 September 2024

08:30 - 10:35				Session 5
Moderator – Carlos Toledano				
08:30 - 08:45	Buntoung, S.	THA	Department of Physics, Faculty of Science, Silpakorn University	Long-term aerosol physical properties from AERONET monitoring in Thailand
08:45 - 09:00	Anh, N. Xuan	VNM	Institute of Geophysics	Introduction to Aerosol-Related Research at Institute of Geophysics, VAST
09:00 - 09:15	Devara, P.	IND	Amity University Haryana (AUH)	Aerosol Characterization Studies Using SKYNET and AERONET Radiometers in India
09:15 - 09:30	Fakoya, A.	NGA	School of Meteorology, University of Oklahoma	Temporal Evolution of Long-Range Transported Biomass Burning Aerosols using Remote sensing
09:30 - 09:45	Andrade, M.	BOL	Laboratory for Atmospheric Physics, Universidad Mayor de San Andrés	Intense transport of smoke to the Bolivian Andes: Insights from a unique set of instruments located at different altitudes
09:45 - 10:00	Wu, Yonghua	CHN	The City College of New York	Characterizing smoke plume optical properties and mixture with urban aerosols with lidar and AERONET sunphotometer observations in New York City area
10:00 - 10:15	Sano, I.	JPN	Kindai University, Faculty of Informatics	Investigation of long-range transport aerosols in mountainous region of Japan during DRAGON J-Alps
10:15 - 10:30	Eck, T.	USA	GESTAR II, UMBC, NASA GSFC	Desert Dust Optical Properties from AERONET Observations: Spectral Absorption, Size Distributions, Spectral AOD and Seasonal Dynamics
10:30 - 10:35	Toledano, C.	ESP	University of Valladolid	RIMA/AEROSPAIN Updates

10:35 - 11:00				**Break 3** - Tea/Coffee, *Poster Transition*
11:00 - 12:30				**Session 6**
Moderator – Philippe Goloub				
11:00 - 11:20	Hanisco, T.	USA	NASA GSFC	Validation and support of space-based measurements with the Pandonia Global Network of ground-based spectrometers
11:20 - 11:40	Welton, Judd	USA	NASA GSFC	The NASA Micro Pulse Lidar Network (MPLNET): 25 years of collaboration with AERONET
11:40 - 11:55	Sang Seo, P.	KOR	Ulsan National Institute of Science and Technology	Relationship of aerosol optical and chemical properties from synergetic use of SPARTAN and AERONET observations
11:55 - 12:10	Momoi, M.	JPN	GRASP SAS	The SKYNET network present status and future developments
12:10 - 12:25	Masoom, A.	IND	PMOD-WRC	Synergy of ground-based remote sensing instrumentations to explore the impact of NO2 absorption on aerosol optical depth retrieval
12:25 - 12:30	Goloub, P.	FRA	CNRS/University of Lille	PHOTONS Updates

12:30 - 14:00				**Break 4** - Lunch
14:00 - 16:00				**Session 7**
Moderator – Thomas F. Eck				
14:00 - 14:05	Zibordi, G.	ITA	EOScience	AERONET-OC: an overview
14:05 - 14:20	Ruddick, K.	BEL	Royal Belgian Institute of Natural Sciences (RBINS)	Quality control of WATERHYPERNET measurements using AERONET-OC data
14:20 - 14:35	Wang, M.	USA	NOAA/NESDIS/STAR	Routine Satellite Ocean Color Products Monitoring and Validation Using AERONET-OC Measurements
14:35 - 14:50	Kirk/Sayer	USA	GESTAR II, UMBC, NASA GSFC	AERONET observations as a valuable component of the PACE Postlaunch Airborne Experiment (PACE-PAX)
14:50 - 14:55	Smirnov, A.	USA	Science Systems and Applications	Maritime Aerosol Network as a component of AERONET – dreams of the 1980s became realities of the 2020s.
14:55 - 15:10	Torres, B.	ESP	CNRS/University of Lille	Three years of Aerosol Measurements Using an Automated Photometer on the First long-term AERONET Ship Site
15:10 - 15:25	Schafer, J.	USA	Science Systems and Applications	An Update on the Lunar AOD AERONET Product
15:25 - 15:40	Roman, R.	ESP	Grupo de Óptica Atmosférica (GOA), Universidad de Valladolid	RIMO Correction Factor: a correction of a lunar irradiance model to estimate accurate AOD values
15:40 - 15:55	Tserenchunt, B. Davaanyam, E.	MNG	Information and Research Institute of Meteorology, Hydrology and Environment	Analysis of Aerosol Optical Properties in the Southern Gobi region of Mongolia
15:55 - 16:00	Zheng, Yu	CHN	AERONET - CARSNET	CARSNET Updates

16:00 - 17:30				**Session 8** - Poster Presentations (Part 2)
ADJOURN				

Thursday, 19 September 2024

08:30 - 10:30				Session 9
Moderator – Ian Lau				
08:30 - 08:45	Lau, Ian	AUS	CSIRO	AEROSPAN, Australia's robotic aerosol network
08:45 - 09:00	Kouremeti, N.	CHE	PMOD-WRC	Traceability chain of the WMO AOD reference and GAW-PFR network
09:00 - 09:15	Falaiye, O.	NGA	University of Ilorin	Update on activities at the Ilorin Nigeria AERONET site
09:15 - 09:30	Nemuc, A.	ROU	INOE - Romania	The European COST Networking Action Harmonia: International network for harmonization of atmospheric aerosol retrievals from ground-based photometers
09:30 - 09:45	O'Neill, N.	CAN	Université de Sherbrooke	SDA / FMC / SDA+: Organizational product overview, associated error-model product and some recent science results
09:45 - 10:00	Mitchell, L.	USA	University of Oklahoma	Closure of Aerosol Radiative Properties from ORACLES 4STAR and In Situ Measurements – Implications for AERONET QC Requirements
10:00 - 10:15	Choi, M.	KOR	UMBC/GSFC	Validation and uncertainty estimation for MAIAC EPIC smoke AOD and spectral SSA using AERONET
10:15 - 10:30	Zheng, J.	CHN	GESTAR II, UMBC, NASA GSFC	Assessment of Dust Size Retrievals Based on AERONET: A Case Study of Radiative Closure From Visible-Near-Infrared to Thermal Infrared

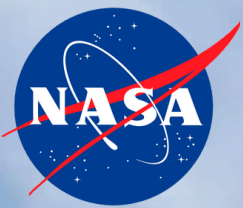| 10:30 - 10:45				Break 5 - Tea/Coffee
10:45 - 12:00				Session 10
Moderator – Janae Csavina				
10:45 - 10:50	Csavina, J.	USA	NEON	NEON Update - A quick overview of NEON and CIMEL support
10:50 - 11:10	Dubovik, O.	USA	CNRS/University of Lille	Potential and limitations of AERONET observations to monitor super coarse desert dust aerosol particles
11:10 - 11:25	Asare, K.	GHA	Ghana Space Science and Technology Institute	Assessing health implications due to aerosol dynamics and climate trends using ground-based and Satellite observations
11:25 - 11:40	Buxmann, J.	DEU	The Met Office - UK	Aerosol classification using machine learning on sun photometer and lidar data with focus on United Kingdom climatology
11:40 - 11:55	Cruz, Liz	PHL	Manila Observatory	AERONET measurements and applications in the Philippines
11:55- 12:00	Lind, E.	USA	NASA GSFC	Aerosol property inversions from AERONET UV measurements
12:00 - 12:05	Gupta/Lind	USA	NASA GSFC	GSFC AERONET updates

12:05 - 12:15	Brent/Elena/Pawan			Closing Remarks
Meeting ADJOURN				

Satellite Studies, Modelling Studies, Applications (i.e. air quality, climate etc.), Nighttime

Abdullaev, Sabur	TJK	Physical Technical Institute National Academy of Science	Monitoring Dust using NASA AERONET Dushanbe site (2010-2023)
Acharjee, Shukla	IND	Centre for Studies in Geography, Dibrugarh University	Variability of Aerosol Concentrations and Characteristics in the Indo-Gangetic Plains
Agesta, Alejandro	URY	Facultad de Ingeniería, Universidad de la República	Detection of wildfire emissions in Montevideo that occur hundreds of kilometres away.
Ahn, Changwoo	USA	Science Systems and Applications	Evaluation of Near-UV Aerosol Products from the EP-TOMS, Aura/OMI, S5p/TROPOMI, and DSCOVR/EPIC Sensors using AERONET Measurements
Alegria Campo, Dairo	COL	Universidad del Cauca	Relationship between AOD measurements obtained from the Sun-photometer (CIMEL), PM2.5 and temperature from Purple Air in Medellín – Colombia
Almansa-Rodríguez, A. F.	ESP	AEMET	Climatology of Saharan Dust Events over the Subtropical North Atlantic with AERONET Photometric Observation
Anim, Benjamin	GHA	Hochschule Bonn-Rhein-Sieg University of Applied Science, International Centre for Sustainable Development (IZNE)	Comparison of MERRA-2 and CAMS reanalysis aerosol optical depth products with AERONET observations at two locations in Sub-Saharan Africa for PV yield Assessments
Balotti, Andrea	ITA	University of L'Aquila	Analysis of daytime precipitable water vapor timeseries in L'Aquila (Italy) with long-term sun-photometer and radiosondes data
Barragan, Roberto	URY MEX	Universidad de la República Universidad de Guadalajara	Complementary analysis of lunar photometry to detect wildfire emissions in Montevideo
Betito, Grace	PHL	University of Arizona	Wet scavenging of aerosol and surface ozone in a semi-arid region (Arizona)
Dayanandan, Baiju	IND	Univerity of Nizwa	Exploring Seasonal and Monthly Variations in Columnar Aerosol Optical Properties over the Sultanate of Oman
Devara, Panuganti	IND	Amity University Haryana	The Nation-first Sun-sky-moon-polarimetric Multi-spectral Radiometer for Aerosol and Precursor Gas Studies at AUH, Gurugram, India
Devara, Panuganti	IND	Amity University Haryana	Cohort Study of Day-Night Aerosol Characteristics over Different Environments in India: A Recent Start-up and Initial Results
Devara, Panuganti	IND	Amity University Haryana	Evaluation of stubble burning aerosol features over a pristine location using ground-based, model and spaceborne data
Dhaliwal, Hassanpreet	IND	Texas Tech University	A Novel Approach for Weather-specific Evaluation of Satellite Aerosol Optical Depth Retrievals using AERONET Observations
G. Lunar, Abril	MEX	Texas A&M Corpus Christi	Comparing the Differences in Nitrogen Deposition Modeled from Satellite, Ground-Level Remote Sensing, and in-situ Networks in Terrestrial and Marine Watersheds Across Texas.
Gao, Meng	USA	NASA GSFC	Early validation results of PACE HARP2 aerosol product with AERONET
Gaston, Cassandra	USA	University of Miami	Comparison of AERONET retrievals of long-ranged transported African aerosol measured in Miami and Ragged Point, Barbados
Guidry, Conner	USA	Texas A&M Corpus Christi	Source apportionment of PM2.5 nitrate using isotope techniques coupled with AERONET optical properties
Herrero del Barrio, Celia	ESP	University of Valladolid	Solar and lunar photometry for daytime and night-time aerosol optical depth analysis at North Central Iberian Peninsula
Kim, Mijin	KOR	GESTAR II, MSU, GSFC	Surface Reflectance Parameterization for Dark Target Aerosol Algorithm: Atmospheric Correction using AERONET AOD
Kim, Vincent	USA	ESSIC/GSFC	Introduction of GEO-LEO merged Deep Blue Product
Kouremeti, Natalia	CHE	PMOD-WRC	Traceability of Lunar direct irradiance measured with a Precision Filter Radiometer
Krotkov, Nickolay	USA	NASA GSFC	Ground-based UV-VIS retrievals of Saharan dust absorption at Izaña Observatory
Lee, Seoyoung	KOR	UMBC, NASA GSFC	Validation of Version 2 VIIRS Deep Blue aerosol products
Ma, Lihong	USA	Brookhaven National Lab	An overview of Sunphotometer deployment to ARM sites and data availability at ARM Data Discovery
Momoi, Masahiro	JPN	GRASP SAS	Implementation of the truncation/correction method on the AERONET polarized radiative transfer solver
Mateos, David	ESP	University of Valladolid	Saharan and Arabian dust episodes during A-LIFE experiment in Cyprus
Puthukkudy, Anin	IND	Earth and Space Institute, UMBC	Validating aerosol products from the HARP family of polarimeters using AERONET data
Quansah, Joseph	GHA	All Nations University	Effect of Biomass Burning Emissions to Air Quality in Africa
Roman, Roberto	ESP	AEMET	Advancing Night-time Aerosol Monitoring with Lunar Photometry: Insights from RIMO Model and Comparison with the AERONET Lunar Product
Roychoudhury, C.	IND	University of Arizona	Leveraging atmospheric chemistry observations in Arizona: Insights into the regional transport of ozone and aerosols.
Sanchez Barrero, M. F.	BOL	CNRS/University of Lille	Mobile Aerosol Monitoring combining lidar and photometer during TRANSAMA ship-based campaign
Seohui, Park	KOR	GESTAR II, MSU, NASA GSFC	Improving Aerosol Optical Depth Retrieval from GOES-R: Deep Learning-Based Bias Correction with AERONET Data
Sida Lamine, Baika	DZA	National Office of Meteorology	AOD MEASURES AT TAMANRASSET (ALGERIA)
Smirnov, Alexander	USA	Science Systems and Applications	Diurnal variability of aerosol optical depth observed at AERONET sites.
Srivastava, Atul Kumar	IND	Indian Institute of Tropical Meteorology	Inferring aerosol types using sunphotometer measurements over the IGB: Implications to direct radiative forcing and associated heating rate
Wei, Jing	CHN	University of Maryland, College Park	Global retrieval of aerosol optical depth over land from Landsat imagery using Transformer model on Google Earth Engine
Yukhymchuk, Yuliia	UKR	Main Astronomical Observatory of National Academy of Sciences	Seasonal variations in aerosol properties: observations from AERONET Kyiv station
Yukhymchuk, Yuliia	UKR	Main Astronomical Observatory of National Academy of Sciences	Atmosphere aerosol contamination due to russian inroad in Ukraine by AERONET data
Zhou, Lihang	USA	NOAA/NESDIS/STAR	JPSS AEROSOL PRODUCT VALIDATION USING AERONET
Zuidema, Paquita	USA	Dept of Atmospheric Sciences, Rosenstiel School, U of Miami	Applications of AERONET and MPL data at Miami Florida

Poster Presentations Part 2 - Wednesday, 18 September 2024
Synergic Ground Networks, AEORNET-OC, Inversions and Retrievals, Instrument Operation and Calibration, Other Applications

Almansa-Rodríguez, A.F.	ESP	CIMEL ELECTRONIQUE	The Langley ratio method, a new approach for transferring photometer calibration from direct sun measurement
Anderson, John	USA	Hampton University	The AERONET Site at the Chesapeake Bay Bridge Tunnel Island-3.
Aoki, Kazuma	JPN	University of Toyama	Long-term observation of aerosol optical properties by ground-based and ship-borne Sky radiometer
Arkabaeva, Gulzyinat	KGZ	Kyrgyz National University	Retrieval of Aerosol Optical Parameters from the Data of CIMEL Sun photometer Measurements at the Issyk-Kul Research Station
D'Elía, Raúl Luis	ARG	CITEDEF - UNIDEF (MINDEF-CONICET)	Project Saver-Net: Integration of 8 Cimel Photometers into the AERONET Network in Southern South America
Dogliotti, Ana	ARG	Instituto de Astronomía y Física del Espacio (IAFE), CONICET/UBA	First year of AERONET-OC data from the Río de la Plata turbid waters: analysis and comparison with hyperspectral automated WATERHYPERNETS radiometric data
Franco, Marco Aurélio	BRA	Institute of Astronomy, Geophysics and Atmospheric Sciences, University of São Paulo	Long-term optical characterization of black and brown carbon aerosols in São Paulo
Garay, Michael	USA	NASA Jet Propulsion Laboratory	New Insights into Atmospheric Aerosols from Temporal Autocorrelation Applied to AERONET Observations
Gaseller, Morewell	USA	Xavier University of Louisiana	XULA Surface-Based Measurement Initiative for Environmental/Air quality Monitoring.
Gilerson, Alexander	USA	The City College of New York	Primary Sources of Uncertainties in Remote Sensing Reflectance from Satellite Ocean Color Sensors and AERONET-OC
González-Fernández, D.	ESP	University of Valladolid	Neural Network model to retrieve solar shortwave Irradiance from all-sky camera images
González-Sicilia, P.	ESP	AEMET	Day and night-time retrieval of vertical and columnar aerosol properties using GRASP with sun photometer and lidar measurements during an episode of Canadian wildfires smoke transported over the Atlantic.
Grigorov, Petar	USA	Science Systems and Applications	AERONET Data: Bridging Knowledge Gaps with Interactive Online Tools
Gröbner, Julian	AUT	Physikalisch-Meteorologisches Observatorium Davos, World Radiation Center	Methods for SI-traceable calibrations of network radiometers from AERONET Europe
Herrera, Kevin	USA	Hampton University	Canadian Wildfire Smoke Optical Properties Using an Integrated Aerosol Monitoring System
Herrero del Barrio, Celia	ESP	University of Valladolid	CAECENET: Columnar and vertical aerosol properties from continuous and automatic retrievals of photometer and ceilometer measurements
Herrero-Anta, Sara	ESP	University of Valladolid	Evaluation of the impact of clouds on the retrieval of aerosol properties
Hsu, Kuo-Hsien	TWN	Taiwan Space Agency	Advancing Radiometric Calibration of FORMOSAT-5 Through Vicarious and Cross Calibration Methods with AERONET Atmospheric Data: Insights from Over Six Years of Results
Kalashnikova, Olga	USA	NASA Jet Propulsion Laboratory	Constraining Aerosol Properties in the MAIA Candidate PTAs with AERONET datasets
Kayetha, Vinay	IND	Science Systems and Applications	UV-VIS Spectral aerosol absorption models derived from AERONET-OMI-MODIS synergy and its applications
Khatri, Gorakh	NPL	Howard University	Investigating Temporal and Spatial Differences within the AERONET network over the Mid-Atlantic Region
Korkin, Sergey	USA	GESTAR II, UMBC, NASA GSFC	AERONET Project: The Next 30 Years of Software Development
Kouremeti, Natalia	CHE	PMOD-WRC	20 years of Aerosol optical depth trends from the GAW-PFR network and collocated measurements with AERONET
Kouremeti, Natalia	CHE	PMOD-WRC	The filter radiometer comparison international campaigns for AOD traceability
Morais, Fernando	BRA	University of Sao Paulo	Comparison of Brown and Black Carbon absorption in the Central Amazon using AERONET and in-situ measurements
Ningombam, Shantikumar	IND	Indian Institute of Astrophysics	Sensitivity analysis of aerosol optical and radiative properties, and in-situ calibration results obtained from three high-altitude sites at Ladakh in the Hindu Kush Himalayan region
Orozaliev, Musapar	KGZ	Institute of Innovative Professions	Comprehensive monitoring of variability in the composition of climate-active pollutants in the atmosphere of the mountainous region of Central Asia
Popovici, Ioana	ROU	CIMEL Electronique	Overview of mobile photometer and LIDAR measurements of smoke during FIREX-AQ campaign in 2019
Richards, Brianna	USA	National Ecological Observatory Network (NEON)	NEON Update - A quick overview of NEON and CIMEL support
Saeed, Talha	PAK	National University of Science & Technology (NUST)	Retrieval of Tropospheric Trace Gas Nitrogen Dioxide (NO2) by exploiting 1st South Asia's NASA Pandora Spectrometer
Salam, Abdus	BGD	University of Dhaka	Aerosol Optical Depth Measurements at urban Dhaka and rural Bhola in Bangladesh
Shah, Ujjawal	NPL	Howard University	Analyzing Trace Gases Differences using the PANDORA network within the Washington, D.C., Baltimore, MD, I-95 Corridor Region
Sinyuk, Alexander	USA	Science Systems and Applications	Potential of employing polarization measurements in AERONET aerosol retrieval algorithm: enhancement in information content and quality control of the measurements.
Soto Ramos, Inia	USA	Morgan State Univ., NASA GSFC	Validation Key Role of AERONET-OC for Satellite Ocean Color Missions from SeaWiFS to PACE
Torres, Benjamin	ESP	CNRS/University of Lille	Enhancing Aerosol Characterization with Curvature Cross Scan aureole and optical depth measurements: Introducing GRASP-CCS
Turpie, Kevin	USA	University of Maryland Baltimore County	Initial comparison of AERONET-OC measurements against WATERHYPERNET at the Chesapeake Bay Tower, USA
Verma, Shubha	IND	Indian Institute of Technology - Kharagpur	Assessing aerosol species mass and optical depth closure across the Bengal Gangetic Plain utilizing the Aero-Opt Matlab package and AERONET's aerosol optical properties
Wang, Renfei	CHN	Aerospace Information Research Institute Chinese Academy of Sciences	Radiometric Calibration and Validation of Gaofen Sensors at the Baotou Site Using AERONET and RadCalNet Data
Wang, Carlo	TWN	National Central University	AERONET/MPLNET measurement and retrieval of optical properties of urban and biomass burning aerosols during ASIA-AQ/Kao-Ping Experiment (KPEx)
West, Emily	USA	University of Oklahoma	Increasing AERONET Inversion Product Yield by Mitigating Radiance Calibration Uncertainty via Colocated Cimel and MFRSR Stations
Zibordi, Giuseppe	ITA	EOScience	AERONET-OC: an overview on LWN uncertainties and quality control

NASA Goddard Tour Directions to Visitor Center

1. Head North on Alumni Dr.
2. At the traffic circle, take the 2nd exit onto Stadium Dr.
3. Turn right onto MD-193E/University Blvd E
4. Continue to follow MD-193E for 10 km
5. Turn left onto Icesat Rd.
6. Turn left before the gate and follow signs to the NASA Goddard Visitor Center