No	Autor	Pais/ ciudad	Institución	Título	Tópico	Oral	Poster
1	Anderson G. Guedes	Brazil	Federal University of Rio Grande do Norte, Brazil. Andalusian Institute for Earth System Research,University of Granada. Physical Sciences Department, EAFIT University.	Evaluation of the Transport of Atmospheric Aerosol on Natal-RN (Brazil) through the LIDAR Technique of Depolarization.	Lidar Technologies and Methods	O1.01	
2	M. F. Sanchez	Bolivia	1Laboratorio de Física de la Atmósfera, Universidad Mayor de San Andrés, La Paz Bolivia	Determination of the Atmospheric Boundary Layer top in the presence of multiple aerosol layers.	Lidar Technologies and Methods	O1.02	
3	David Ricardo Vivas	Cali	CIBioFi	WCT parameters determination by a machine learning algorithm.	Lidar Technologies and Methods	O1.03	
4	Jhonathan Cespedes	Cali	CIBioFi	First measurement of optical properties of aerosols in Cali, Colombia: Results from Ground-based LiDAR-CIBioFi station.	Lidar Technologies and Methods	O1.04	
5	IGNACIO ANDRES TORO ZANETTA	Medellin / Chile	Universidad de la frontera, Chile. Universidad de concepción, Chile. Universidad EAFIT.	Space - temporal evolution of the planetary boundary layer height from Lidar signals during the periods 2012 - 2013 in Concepcion, Chile	Lidar applications in environmental sciences	O2.01	
6	Milagros Estefanía Herrera	Argentina	Laser and Applications Research Center (CEILAP)	Properties of the atmospheric aerosol over Argentina retrieved from combination of lidar and sun-photometer measurements.	Lidar applications in environmental sciences	O2.02	
7	Carlos Andrés Melo Luna	Cali	CIBioFi	Surface layer and max-DOAS column measurements of ozone in center of the agriculture-intensive Cauca River Valley in Colombia	Lidar applications in environmental sciences	O2.03	
8	Juan Diego Areiza Cardona	Medellin	Department of Physical Sciences, EAFIT University	Retrieval of aerosol optical properties using Vaisala CL51 ceilometer corrected data.	Synergy between lidar and others instruments.	O3.01	
9	Andrés Esteban Bedoya-Velásquez	Colombia	Andalusian Institute for Earth System Research (IISTA-CEAMA), University of Granada	Investigating aerosol hygroscopic enhancement factor by combination of automatic remote sensing and chemical analysis	Synergy between lidar and others instruments.	O3.02	
10	Renata Sammara da Silva Santos	Brazil	Federal University of Rio Grande do Norte	Study of Cirrus clouds physical properties over Natal using the Lidar-DUSTER system and radiosounding data	Synergy between lidar and others instruments.	O3.03	
11	Frank García Parrado	Cuba	(GOAC), Geophysical Institute of Peru	Climatology of aerosol optical properties measured with sun photometer at Camagüey, Cuba.	Remote Sensing applications	O4.01	
12	Laura Herrera	Medellin	SIATA	Characterization of the Atmospheric Boundary Layer over Aburrá Valley region (Colombia), using remote sensing and radiosonde data	Remote Sensing applications	O4.02	
14	Amanda Vieira dos Santos	Brazil	Laboratory of Atmospheric Physics, University of São Paulo, USP.	Obtaining the vertical distribution of aerosol in Central Amazon from the measurements of a ceilometer during GoAmazon IOP1 (February-March 2014).	Remote Sensing applications	O4.03	
15	David Alejandro Collazos	Cali	CIBioFi	MEASUREMENT OF MECHANICAL PROPERTIES IN VEGETABLE TISSUE AND SOLID MATERIALS BY NON-CONTACT OPTO-ACOUSTIC TECHNIQUES - Preliminary Results.	Remote Sensing applications	O4.04	
16	Andrés Esteban Bedoya-Velásquez	Colombia	Andalusian Institute for Earth System Research (IISTA-CEAMA), University of Granada	Investigating aerosol hygroscopic enhancement factor by combination of automatic remote sensing and chemical analysis	Remote Sensing applications	O4.05	
17	Manuela Hoyos-Restrepo	Medellin	Department of Physical Sciences, EAFIT University	Improvement of Lidar depolarization measurements: assessment of the polarizing-optic influence.	Lidar Technologies and Methods		P1.01

18	Elaine Cristina Araújo	Brazil	Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil.	Characterization of the temporal and spatial distribution of inhalable particles in the city of Cubatao	Lidar Technologies and Methods		**P1.02**
19	Marcos Paulo Araújo da Silva	Brazil	Federal University of Rio Grande do Norte	The DUSTER Cloud-Free Filter to Remove LIDAR Profiles with Clouds	Lidar Technologies and Methods		**P1.03**
20	Jose Antonio Benavent Oltra	España /CEAMer	Universidad de Granada. 2Andalusian Institute for Earth System Research (IISTA-CEAMA).	GRASP: statistical analysis of aerosol properties in São Paulo (Brazil).	Lidar Technologies and Methods		**P1.04**
21	Santiago Jaramillo Gil	Medellin	SIATA	Aproximation to the characterization of the spatio-temporal variability of clouds and aerosols in the Aburra Valley from satellital and ground-based remote sensing.	Lidar applications in environmental sciences		**P2.01**
22	Cristina Tobler de Sousa Rae	Brazil	Federal University of Rio Grande do Norte	Atmospheric Aerosol Behavior Study in Natal city through LIDAR Backscatter Profiles and random errors propagation analysis by Monte Carlo Method	Lidar applications in environmental sciences		**P2.02**
23	Fernanda de Mendonça Macedo	Brazil	Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil.	Fluorescent bioaerosol in a controlled environment.	Lidar applications in environmental sciences		**P2.03**
24	Maria Helena Gonçalves de Andrade Salani	Brazil	Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil.	Quantification and estimation of particulate matter in the port of Santos with support of the LIDAR technique.	Lidar applications in environmental sciences		**P2.04**
25	Thaís Corrêa	Brazil	Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil.	Monitoring of the Atmospheric Profile in the Silos Region of the Port of Santos by the LIDAR Technique	Lidar applications in environmental sciences		**P2.05**
26	Antonio A. Gomes	Brazil	Nuclear and Energy Research Institute. Universidade de São Paulo, Escola Politécnica	Development of a microfluidic circuit “microreactor” to atmospheric analyses	Synergy between lidar and others instruments.		**P3.01**
27	Andrés Esteban Bedoya-Velásquez	Colombia	Andalusian Institute for Earth System Research (IISTA-CEAMA), University of Granada	Preliminary studies of aerosol hygroscopic growth using automatic remote sensing instrumentation at the SIATA stations in Medellín (Colombia)	Synergy between lidar and others instruments.		**P3.02**
28	Andrés Esteban Bedoya-Velásquez	Colombia	Andalusian Institute for Earth System Research (IISTA-CEAMA), University of Granada	Remote sensing and in-situ instrumentation synergy for studying aerosol hygroscopic growth: case from SLOPE I campaign	Synergy between lidar and others instruments.		**P3.03**
29	Manuel García-Reyes	España	Andalusian Institute for Earth System Research (IISTA-CEAMA). University of Granada.	Retrieving Cloud Properties from Solar Background Signal by Ground-Based Lidar Measurements over the Southeastern Spain	Synergy between lidar and others instruments.		**P3.04**
30	Donoban Arévalo	Cesar	Universidad Popular del Cesar	Determinación de índices de variabilidad climática en el departamento del Cesar implementando sensores remotos.	Remote sensing application		**P4.01**
31	Andrés Esteban Bedoya Velásquez	Colombia	Andalusian Institute for Earth System Research (IISTA-CEAMA), University of Granada	Seasonal analysis of temperature and relative humidity profiles and integrated water vapor from microwave measurements over Granada (Spain)	Remote sensing application		**P4.02**
32	Marco Aurélio Franco	Brazil	University of Sao Paulo, Sao Paulo, Brazil	Statistical approach to assess the impact of polluted regions on the Aerosol Optical Depth. measured by AERONET photometers	Remote sensing application		**P4.03**
33	Cássia Maria Leme Beu	Brazil	Instituto de Pesquisas Energéticas e Nucleares (IPEN)	\	Remote sensing application		**P4.04**
34	Hernán Antonio Ramírez Yañez	Bogota	Universidad de los Andes	Episodios de contaminación en la ciudad de Bogotá de enero de 2015 a diciembre de 2017.	Remote sensing application		**P4.05**

35	Leidy Karina Vásquez Londoño	Medellin	Tecnológico de Antioquia	Tropospheric O3 modeling from both satellite and in-situ data analysis in the Aburrá valley - Colombia.	Remote sensing application		**P4.06**
36	Sindy Tatiana Morales García	Medellin	Tecnológico de Antioquia	Atmospheric Aerosols classification at Aburrá valley from both satellite and in-situ data analysis.	Remote sensing application		**P4.07**
37	Daniela Bolaños-Marín	Medellin	Department of Physical Sciences, EAFIT University	T-Matrix computation of light scattering to obtain volume linear depolarization ratio of local atmospheric aerosols: Preliminary results.	Remote sensing application		**P4.08**
38	Elena Montilla-Rosero	Medellin	Department of Physical Sciences, EAFIT University	Depolarization system to identify atmospheric aerosols: laboratory study.	Remote sensing application		**P4.09**
39	Daniel Camilo Fortunato dos Santos Oliveira	Brazil	Federal University of Rio Grande do Norte	Characterization of Aerosol Optical Properties in the Atmosphere of Natal/Brazil by a Sun Photometer of the AERONET Network.	Remote Sensing applications		**P4.10**