

Accepted abstracts OTEM2010

Presentation	Title	Authors
Facilities and Network Observations		
Invited	Extreme Phenomenon Observations From Satellite Using EUMETCAST	Colin Opie
Invited	MAP3D: MesoScale Air Pollution modelling : Implementation in Romania and analysis of first results	Ioan Balin, Olivier, Couach, Frank Kirchner, Doina Nicolae, Patrik Porchet
Invited	The future of ground-based aerosol remote sensing with Cimel sunphotometer - PHOTONS network evolution	Philippe Goloub
Hazard and Risk Assessment		
Poster	Filtering ponds Colbu 1 and Colbu 2.	Alexandra Iulia COZMA, Dan COSTIN, Raluca- Ioana UTIU.
Poster	An assessment of the state and evolution of the quality of the atmosphere in Cluj-Napoca area, using lichens as heavy metal bioindicators	Andrea GAGYI PALFFY, Gheorghe STAN, Radu MIHAIIESCU, Laurentiu Cristian STOIAN, Georgiana-Ioana IRIMIA
Poster	The impact of the mine field activity on the surface waters from Baia Mare area.	Cret Ioana, Costin Dan
Poster	A preliminary assesment of the environmental impact of the tailings dumps belonging to Lupeni mine (Valea Jiului)	Georgiana-Ioana IRIMIA. Ioana CRET, Dan COSTIN, Gheorghe STAN, Andrea GAGY-PALFFLY
Poster	Mining risk assessments - Valea Sesei tailings Pond	Raluca-Ioana UTIU, Dan COSTIN, Alexandra Iulia COZMA
Modelling and Analisys Tools		
Invited	Studies of the impact of aerosol optical properties on climate change processes	T. Zielinski, A. Ponczkowska, P. Makuch, J. Kowalczyk, T. Petelski, J. Piskozub, A. Strzackowska, A. Smirnov, B. Holben, J. Pasnicki, K. Zielinski
Oral	The nocturnal boundary layer height at Bucharest-Baneasa: lidar measurements versus modelled values	D. Dobrovolschi, V. Ristici, Anca Ristici, Rodica Sandu, C. Rada, F. Nicodim, B. Lucaschi
Oral	Ground based measurements comparison with forecast air pollution model Map3D for a suburban Bucharest area	Emil Carstea, Razvan Radulescu, Cristian Radu
Oral	Comparison of air quality in urban traffic areas and areas with air traffic	Francisc Popescu, Ioana Ionel, Gabriel Apostol
Oral	Cloud height top estimation from satellite imagery and LIDAR measurements	Luminita Marmureanu, Camelia Talianu, Radu Cristian Marian
Oral	Sea influence on AOD sunphotometric data	Sabina Stefan, Luminita Filip, Anca Nemuc and Nicolae Ajtai
Poster	Non-destructive, qualitative analysis of rare earth elements from meteoritic samples, using a laser ablation system coupled with a plasma mass spectrometer	Claudiu Tanaselia, Abraham Bela, Dana Pop, Cecilia Roman, Leontin David
Poster	Experimental validation of MAP 3D environmental data in NE region of Romania-Iasi area	M. M. Cazacu, A. Timofte, D. Dimitriu and S. Gurlui
Poster	Holographic method for local atmospheric aerosol statistics	M. Mihailescu, F. Toanca, E. R. Cojocar, M. B. Tanasescu
Poster	Light Scattering in Particulate Matter Monitoring as tool for health exposure. Case study: Central Park Cluj-Napoca, Romania	Nicoleta BICAN-BRSAN, Dan COSTIN, Ioana-Nicoleta POP
Poster	Angstrom turbidity in the lower layers of troposphere.	Sabina Stefan, Doina Nicolae, Andreea Boscornea

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Sensors and Instrumentation(in situ, laboratory and remote sensing). Sattelite Imagery.		
Invited	OH Reactivity Measurements by FAGE	A. Parker, D. Amedro, C. Schoemaeker, C. Fittschen
Invited	Lidar characterization of volcanic plumes	Fiorani L., Colao F., Palucci A., Poreh D
Invited	Development and optimization of high-accuracy multiwavelength lidars - the producer point of view	George Georgoussis, Volker Freudenthaler
Invited	Active Remote Sensing of Meteorological Parameter and Atmospheric Trace Gases by Airborne Lidar	Gerhard Ehret
Invited	Compact micropulse backscatter lidar: Airborne and groundbased applications	Valentin MITEV
Invited	Depolarization measurement technique: definitions, calibration, and applications	Volker Freudenthaler
Oral	First Romanian LIDAR investigation of the EYJAFJALLAJOKULL volcanic ash	A. Timofte, M.M. Cazacu, R. Radulescu, C. Talianu, D. Dimitriu and S. Gurlui
Oral	Diurnal variation of particulate matter in the proximity of Rovinari fossil-fuel power plant	Catalin Nisulescu, Delia Calinoiu, Adrian Timofte, Andreea Boscornea, Camelia Talianu
Oral	Reduction of CO2 emission using biogas as a fuel for small spark ignition engines	Cioabla Adrian Eugen, Ioana Ionel
Oral	Optimization of aerosol optical properties retrieval by use of low-range and high-range lidars. Comparison with sun photometry.	Doina Nicolae, Camelia Talianu, Anca Nemuc
Oral	Composition and distribution of springtime aerosols in Bucharest	Jeni Vasilescu, Luminita Marmureanu, Anca Nemuc
Oral	Ozone Vertical Profiles over Bucharest	Livio BELEGANTE, Jeni VASILESCU, Emil CARSTEA
Oral	Comparative study of regional aerosols from columnar sunphotometric data in Romania	Nicolae Ajtai, Horatiu Stefanie, Alexandru Ozunu
Oral	Reduction of the pollution degree by fueling small scale cogeneration block with biobutanol blends	Nicolae Lontis, Ioana Ionel
Oral	Preliminary results of SO2 measurements in SW Romania using UVGasCam cameras	Razvan-Cosmin Radulescu, Livio Belegante, Fred Prata, Kerstin Stebel
Poster	Reduction of CO2 emission applying co-firing technology of biomass waste resource	Gavrila Trif Tordai, Ioana Ionel, Francisc Popescu
Poster	State of the art of the lidar systems development for the Romanian Lidar national NETWORK ROLINET	Ioan Balin, Mihai Cazacu, Ovidiu Tudose, Claudiu Mahalu, Silviu Gurlui, Dan Costin, Valentin Ristici, Ioan Vetres, Doina Nicolae
Poster	Ceilometer's applications to observe troposphere-preliminary study	Ioana Ungureanu, Emil Carstea
Poster	Importance of corrections applied to Lidar data	Ion Vetres, Ioana Ionel, Doina Nicolae, Camelia Talianu
Poster	Reduction of greenhouse gases emission by post combustion capture	Viorica Cebrucean, Dumitru Cebrucean, Ioana Ionel