

CTBT: Science and Technology Conference 2023 - SnT2023

Thursday, 22 June 2023

Lightning talks: P1.1, P3.3 - Wintergarten (10:00 - 11:00)

[id] title	presenter	board
[158] Simulation of the Atmospheric Transport of Beryllium-7 with an Earth System Model and Comparison to the Comprehensive Nuclear-Test-Ban Treaty Organization Radionuclide Monitoring Network Data	Mr SCHAAR, Konstantin	2
[180] Multiscale Modeling of Atmospheric Transport and Dispersion over Mountainous Terrain for METEX21	Mr WIERSEMA, David GLASCOE, Lee	3
[244] Flights and Pandemic Influence Chilean Infrasound stations I13CL and I14CL	CELIS HUAIQUILAF, Christopher	5
[405] Monitoring Acoustic Gravity Waves Generated by the Atmospheric Storm	Ms GOLIKOVA, Elena	7
[489] Correlation of Geomagnetic Storms with Infrasound Observation Data from International Monitoring System Stations Located in South America	Mr MACÊDO, Arthur	8
[491] Design of a real time Radiation Sensor Network for Atmospheric Radiotracer Experiments	Mr STAVE, Sean	9
[502] Demonstrating the Improvements in FLEXPART's wet Deposition Output After Accounting for Correct Precipitation rate Disaggregation and Interpolation of Cloud-Related Parameters	Ms TIPKA, Anne	10
[506] On the Importance of high Resolution Atmospheric Transport Modelling in the case of Receptor Stations Being Close to the Source in Complex Terrain	Ms TIPKA, Anne	11
[541] Effect of Gravity Wave Induced Small Scale Perturbations in the Atmosphere on Infrasound Arrival Times at a High Altitude Floating Sensor System	SILBER, Elizabeth	12
[577] FLEXPART-11: A new Release of the Widely-Used Lagrangian Atmospheric Transport Model	Ms BAKELS, Lucie	13
[581] Application of CCM SOCOL-AERv2-BE to Cosmogenic Beryllium Isotopes: Description and Validation for Polar Regions	LEPPÄNEN, Ari-Pekka	14
[588] Accounting for Meteorological Uncertainty in Atmospheric Transport Models	LEADBETTER, Susan	15
[672] Unveiling Infrasound Signatures of Mediterranean Hurricanes	LISTOWSKI, Constantino	16
[675] Using High Resolution Global Atmospheric Simulations to Investigate Gravity Wave Impact on Infrasound Transmission Losses Across the International Monitoring System	LISTOWSKI, Constantino	17
[749] New Shape Corrected Settling Scheme in the Lagrangian Dispersion Model FLEXPART	Ms TATSII, Daria	19
[767] Assessment of Aerosols over five cities of Angola Based on MERRA-2 Reanalysis Data	Mr CAMPOS, Pascoal	20
[791] Vertical Profiles of Particulate Aerosols During the Invasion of Regional Pollutants Over Mid-Hills of Central Nepal Himalaya	Mr REGMI, Ram Prasad	21
[805] Forecasting Infrasonic Noise Levels with a High Resolution Weather Model	ASSINK, Jelle	22

[808] Rapid Automated infrasonic Detection and Source Location of Explosive Volcanic Eruptions Using Empirical Climatologies	DE NEGRI, Rodrigo	23
[826] Experience of Year-Round Infrasonic Observations at the Vernadsky Station, Antarctica	Mr KOLESNYKOV, Leonid LIASHCHUK, Oleksandr	24
[86] Behind the Scenes of Handheld Hybrid Neutron-Gamma Imaging System: A Bespoke Readout Circuit.	Mr AL HAMRASHDI, Hajir	26
[89] Ground Penetrating Radar Robot Solution to On-site Inspection	Mr LI, Peng	27
[141] Mathematical and Numerical Modeling of the Transient ElectroMagnetic Method	Mr ZAOU, Abdelhalim	28
[144] Investigation of Nuclear Test Sites by Satellite Imagery	BEDINI, Eton	29
[214] Review of the On-Site Inspection Equipment List and Recommendations for Possible Upgrades	AFEGBUA KADIRI, Umar	30
[224] Commercial Satellite Imagery Based Information Integration System Solution to On-Site Inspection Training Courses and Exercises	Mr WANG, Yuwei	31
[257] Magnetic Field Measurement Applications in the Context of On-Site Inspection	Mr LETHY, Ahmed	33
[294] Identification of Fault Zone in Bali Using Ggmpus Gravity and ALOS-2 PALSAR-2 Data	PRATAMA, I Putu Dedy	34
[308] Use of Remotely Controlled Platforms for On-Site Inspection Near Surface Surveys	Mr GAYA PIQUE, Luis	35
[310] Use of the Magnetic Field Mapping for On-Site Inspection Purposes: Lessons from Forward Modeling and Multilevel Field Surveys	Mr GAYA PIQUE, Luis	36
[356] Portable, Modular Gas Sampler/Analysers for On-Site Inspections	Mr SHAH, Khiloni	37
[362] Modeling the Use of Mobile Modular Gas Samplers in Near-Field Detection Using HYSPLIT	GORDON, Emily	38
[413] Implications of Geothermal Reservoir Modelling for On-Site Inspection Drilling	Ms WANGARI, Valentine	39
[425] Field Test of On-Site Inspection Geophysical Techniques for deep Applications in a Mountainous Environment	KOIVISTO, Emilia	40
[428] Data Transmission System for On-Site Inspection	COLBALCHINI, Remi	41
[454] Emanation Rates of Argon-37 in Natural Soils	PURTSCHERT, Roland	42
[458] Natural and Artificial Argon-37/Argon-39 Signatures in the Underground	PURTSCHERT, Roland	43
[466] Forensic Seismology for On-Site Inspection and Basic Research: The Concept of Nanoseismic Monitoring	Mr JOSWIG, Manfred	44
[471] Novel Portable Radioisotope Identification Device for Special Nuclear Material Detection and Characterization	CORBO, Matteo	45
[563] Further Improvement and Testing of a Prototype for the Measurement of a Liquid Argon Scintillation	PAKHOMOV, Sergei	46
[634] Improved Design of the On-Site Inspection Field Laboratory	RIEDMANN, Robin	47
[778] A Quantitative Method for Object Comparison on Synthetic Aperture Radar Satellite Images for Ocean Applications	Dr GANCHEVA, Irina	50
[839] Algorithm-based Approach in Support of Satellite Imagery Analysis for Countering Nuclear Proliferation: Considerations and Challenges	Mr HAN, Jae-Jun	51
[850] Multi-sample Holders for On Site Inspection: Efficiency Calculation and Experimental set up	Ms RIZZO, Antonietta	52

[893] Progress in Geo-based Data Integration in the International Atomic Energy Agency Department of Safeguards	Mr BARLETTA, Michael	53
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