CTBT Science and Technology Conference 2021 (SnT2021)

Thursday, July 1, 2021

T3.1 e-poster session: e-poster session - T3.1 - Design of Sensor Systems and Advanced Sensor Technologies (9:00 AM - 12:00 PM)

-Conveners: Joseph Park

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[375] The Swedish Radioxenon CUBE Array – operational experience and first data	Mr RINGBOM, Anders	
[109] Investigation of the sorption and separation characteristics of materials for argon extraction and processing	Mr ALEXANDROV, Roman	
[203] Commercial Automatic Weather Station Solution to IMS/OSI	Mr LI, Peng	
[506] Large Surface Detector System for the Contamination Evaluation of Air Filters	Dr FANCHINI, Erica	
[444] Combination of “Open source architecture” and “Compress Sensing” makes next generation of geophysical equipment	Mr SEIF POUR ABOLHASSANI, Ali	
[243] CalxPy: a software for the calibration of geophysical systems against a reference	Mr DOURY, Benoit	
[128] Thermal equilibration of Hyperion infrasound sensors	Mr MERCHANT, Bion John	
[618] Ukrainian infrasound network - current state and short-term perspective	LIASHCHUK, Oleksandr	
[642] Levels of background seismic noise in Venezuela with an emphasis in the AS117 and AS118 IMS stations	Mr DEL CASTILLO, José Tomás	
[666] Fiber-optic gyroscope to catch ground motion: a short review of blueSeis use	GUATTARI, Frédéric	
[221] Current PTS Activities Related to Low-Cost Infrasound Sensors	Mr KRAMER, Alfred	
[713] A coherent gas-combustion infrasound source	Mr SMITH, Chad	
[644] A comparison of gamma spectrometry detectors for analysis of IMS samples.	Ms KABINI, Jeaneth Thokozile	
[302] 4-Mode GNSS Solution to OSI	Mr CHEN, Fuliang	
[485] Measurement of gaseous fission products on an electron-photon coincidence detector system	Mr GOODWIN, Matthew	
[216] Development of a radioxenon detector with a high-resolution beta detector	Mr FOXE, Michael	
[102] An approach for determination of suspended mass displacements in seismometry	Mr ANSARI, Anooshiravan	
[667] Design Scientist	GURALP, Cansun	
[187] Low-level 140Ba measurements on high-volume air filters using gamma coincidence systems	Mr FRIESE, Judah	
[670] Study of materials for improved adsorption of xenon at IMS radionuclide stations	Mr GUEIBE, Christophe	
[115] Major Upgrade of the I31KZ: Learning the Lessons of the Past and Keeping up with the State of the Art	Mr SMIRNOV, Alexandr	
[312] Development of an ultra-sensitive gamma-gamma coincidence system for radionuclide measurements at International Monitoring System stations	Mr SHARMA, Manish	

[665] Resolving complex infrasound wavefields using a dense array	Dr ANDERSON, Jacob	
[362] Making the best use of pixel silicon detector for radioxenon traces measurement: a simulation study	Mr DELAUNE, Olivier	
[180] Metrology of rotational seismometry	Mr KISLOV, Konstantin	
[256] Technology For Disaster Resilience: Low-Cost Weather Station	Mr KAFLE, Hemu	
[616] Xenon International Acceptance Test Phase 1	HAYES, James	
[669] Electrostatic Precipitator Integration into RASA 2.0 for Radionuclide Particle Collection	Mr SWANWICK, Michael E.	
[646] Infrasound and electromagnetic sensor array in several configurations for monitoring active volcanoes in Ecuador	Mr ENRIQUEZ LOPEZ, Wilson	
[309] Development of a first-look cadmium zinc telluride detector for the Radionuclide Aerosol Sampler Analyzer	Mr BURNETT, Jonathan	
[512] Past and future developments of noble gas detection systems at CEA/DAM	Mr TOPIN, Sylvain	
[434] Upgrading the Detection System of the MIKS (TKAS6) Xenon Isotope Monitoring Complex during Preparation for the International Certification	Mr CHERNOV, Mikhail	
[524] Timing Board: a new module for very low-consumption timing applications	LICTEVOUT, Jean-Christophe	
[473] Design and production of Shaking Table for testing velocity meter and accelerometer in Iran	Mr MASIHI, Ali	
[104] FSUE VNIIA contribution to the development of CTBT related technologies	Mr ZASIMOV, Gleb	
[527] Tests and Performances of a Special Identifier of Nuclear Threats and SNM in Realistic Scenarios	Mr MANGIAGALLI, Giacomo	
[293] Hydroacoustic observations using Distributed Acoustic Sensing technology on a fiber-optic submarine cable	MATSUMOTO, Hiroyuki	
[495] Analysis and Design of Wide Spectral Imaging Spectrometer for CTBT OSI	Mr LI, Peng	
[394] The second generation of precision small-sized temperature sensors: investigation of thermal fields near the Elbrus volcano on the basis of the North Caucasus Geophysical Observatory	Mr GRAVIROV, Valentin	
[520] Design of Wind Noise Reduction System and Technique Application	Mr BEDNAROWICZ, Clement	
[393] The second generation of precision small-sized temperature sensors: measurement and take in account the internal temperature of seismic instruments	Mr GRAVIROV, Valentin	
[396] Ice geo-hydroacoustic buoy: first field test results	Mr GRAVIROV, Valentin	
[101] A new damping system for seismic sensors based on the eddy currents	Mr ESMAEILI, Shamseddin	
[303] Coincidence Detector System Configurations for Particulate Stations of the IMS Network	Mr BRITTON, Richard	
[299] Maintaining IMS particulate radioactivity measurement capabilities – integration of a next generation automated air sampler – Cinderella G2	Mr TARASOV, Aleksandr Mr BRITTON, Richard Mr HERMANSPAHN, Nikolaus Helmut Mr WERNSPERGER, Bernd	
[361] Microbarometer for infrasound monitoring systems	Mr INDRISHENOK, Oleg	
[265] Added value of low-cost seismic and infrasound sensors to local monitoring	Ms APOLONER, Maria-Theresia	

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