ID: Type: **not specified**

Poster Session: T1.5, T3.1

Tuesday 27 June 2017 19:00 (3 hours)

Topic 1.5 Civil, Scientific and Industrial Applications of IMS data and IDC Products
T1.5-P1 'Seismic Cycle' and Occurrence of Large Earthquakes
T1.5-P2 Active Lineaments Mapping Within Karonga Area
T1.5-P3 (Y) Assessment of Seismic Hazard Potentials in Zimbabwe
T1.5-P4 (Y) Contribution of the IMS Seismic Stations and Products in Localization of the 28 March 2016 Okavango Delta Event
T1.5-P5 Disaster Prediction Through Pattern Informatics Applied on Global Seismological Data
T1.5-P6 Earthquake Safety: An Important Contribution of CTBT Seismic Monitoring Data
T1.5-P7 Important Results Obtained from Data of Kazakhstan Seismic Arrays
T1.5-P8 Litho-Stratigraphic and Structural Controls on the Groundwater Flow Dynamics and Hydrogeochemical Setting of the Mekelle Outlier and Surroundings, Northern Ethiopia
T1.5-P9 (Y) Profile of Radionuclide Particulate Monitoring in Indonesia
T1.5-P10 Response of the Kathmandu Valley Sediments During the 2015 Gorkha Earthquake Sequence
T1.5-P11 Seismic Hazard Assessment of the Caucasus
T1.5-P12 Seismic Microzonation and Site Effect Response of Al Auja District
T1.5-P13 Seismic Velocity Models and Their Improvement
T1.5-P14 Seismicity and seismo-tectonic environment at regions of nuclear energetics critical facilities location in Kazakhstan
T1.5-P15 Seismicity of Semipalatinsk Test Site Territory by Data of Kazakhstan Monitoring Network
T1.5-P16 Seismotectonic Implications of the 20 May 1990 South Sudan Earthquake
T1.5-P17 Strategy for the Popularization of the Virtual Data Exploitation Centre (vDEC) in West Africa
T1.5-P18 Teleseismic Study of Ecuador Earthquake Using IMS Stations in Africa
T1.5-P19 (Y) The Use of CTBTO IMS data on Atmospheric Radioactivity Monitoring Following the Fukushima Dai-ichi Nuclear Power Plant Accident
T1.5-P20 Trend Analysis of Cesium-137 Concentrations Observed in Kuwait Before and After Fukushima Nuclear Disaster
T1.5-P21 (Y) Understanding Future Landslide Hazards: 12 March Earthquake, West, and 29 March 2014 Landslide, East of Anjouan-Island, Comoros.
T1.5-P22 (Y) Upgrading Geological Fault Information Using the Last Shallow Seismic Events
T1.5-P23 Using of IMS Infrasound Stations for Tsunami Warning in the Antarctic Peninsula
T1.5-P24 Validation of Tsunami Potency Determination Using Calculation of Rupture Duration (Tdur), Dominant Period (Td) and T50Ex

Topic 3.1 Design of Sensor Systems and Advanced Sensor Technologies
T3.1-P1 'CARD': Characterization of Adjoint Response for Ge Detectors
T3.1-P2 (Y) A Genuinely Novel Method to Identifying Gamma Rays in Region of Infrared Spectrum
T3.1-P3 A Novel Three Component Optical Seismometer Based on the Moiré Technique
T3.1-P4 (Y) A Quantitative Investigation of the Performance of Three-Component Optical Seismometer
T3.1-P5 A Seismic Noise Survey of Western Kazakhstan
T3.1-P6 (Y) A Testing Environment for Airborne Optical Sensors
T3.1-P7 Adding Wireless Capabilities to an IMS Portable Infrasound Array
T3.1-P8 (Y) Ag@zeolite: Toward the Miniaturization of the NG Process
T3.1-P9 Automated Testing and Our RASA Software Development Environment
T3.1-P10 Autonomous Intelligent Sensor Systems
T3.1-P11 CLYC Scintillators: A Possible Enhancement for Handheld OSI Detectors
T3.1-P12 (Y) Colombian Seismological Network and Its Challenges
T3.1-P13 Cross-Calibration of Airborne and Ground Based Gamma Radiation Survey Techniques Under On-Site Inspection Conditions
T3.1-P14 (Y) Design and Simulation of a Leaser-Interferometer Broadband Seismometer
T3.1-P15 Detection Efficiency Calculation and Spectrum Simulation with Geant4 for a BEGe Detector at the Health Canada CTBT Laboratory
T3.1-P16 (Y) Developing a Low Cost Shout Down MEMS Base Accelerometer Suitable for Rapid Response and Structural Applications
T3.1-P17 Development and performance of Cosmic Guard and Compton Suppression System for Environmen-

tal Radiological Analysis
T3.1-P18 Development of a Field Portable Ar-37 Monitoring Capability
T3.1-P19 Development of Si-PIN Diodes Detection Unit for Noble Gas Systems ARIX
T3.1-P20 Development of U.S. NDC Performance Metrics Through Large Scale Analysis of System Log Files With Hadoop Distributed File System Based Tools
T3.1-P21 Developments in IMS Infrasound Array Geometry Tools
T3.1-P22 Implementation of New Technologies at the IMS Radionuclide Particulate Stations
T3.1-P23 Improving MDC in the Radionuclide Particulate RASA System
T3.1-P24 Improving Metadata Accuracy Within Seismic Networks
T3.1-P25 IMS Equipment Challenges for Waveform Technologies
T3.1-P26 Infrasound Isolation Chamber for Improved Sensor Calibration
T3.1-P27 Installation and Testing of a Cosmic Veto System at the IMS Station RN67, St Helena
T3.1-P28 Next Generation Noble Gas System for the IMS Network
T3.1-P29 Operational Interface and Capability of a Carborne Survey Instrument Developed for the PTS Under US CiK
T3.1-P30 Perspective Model of Portative Field In-Situ Spectrometer-Identifier of Gamma Isotopes
T3.1-P31 SAUNA III New Beta Detector Performance
T3.1-P32 Sensing Ionospheric Disturbances Using a Large GNSS Network
T3.1-P33 (Y) Snapshot Hyperspectral Imaging: Hand-held Image Acquisition for Ground Inspection
T3.1-P34 System Tests of OSIRIS: A Spectrum-Blind Gamma-Ray Spectrometer for On-Site Inspections under the Comprehensive Nuclear-Test-Ban Treaty
T3.1-P35 The Calibration of IMS Seismic and Hydroacoustic T-Phase Stations
T3.1-P36 The Problem of the Precise Second on Earthquake Recorders
T3.1-P37 The Radiological Field Training Simulator (RaFTS)/Spectroscopic Injection Pulser (SIP) for Radiation Detection Training Without Radiation Sources in On-Site Inspection
T3.1-P38 The SAUNA CUBE Project: A New Concept in Radioxenon Detection Using Noble Gas System Arrays
T3.1-P39 Unmanned Radiation Measurements
T3.1-P40 Using Antineutrinos to Verify the Nuclear Nature of a Suspect Nuclear Test Based on Seismic Event Coincidence
T3.1-P41 Wind Noise Reduction Systems in the International Monitoring System Infrasound Network
T3.1-P42 Xenon International: A New Capability for Radioxenon Measurements