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Wednesday, 26 June 2019 16:30 (4 hours)

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T1.2-P3 A comparative study on the tectogenesis of 2015 Mt. Kinabalu Earthquake of Sabah Malaysia and tsunamigenic 2018 Sulawesi Indonesia Earthquake

T1.2-P4 A computer code for determining composite focal mechanism solutions

T1.2-P124 SALSA3D software tools for model interrogation, event location and travel-time

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T3.5-P15 Bayesian Approach to Localization of Atmospheric Release with Demonstration on the Case of Ruthenium-106 Release in 2017
T3.5-P16 Can artificial intelligence help detect nuclear explosions?
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T3.5-P19 Comparison of pick-based and waveform-based event detectors for local to near-regional distance data from Utah
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T3.5-P21 Data Processing Modular Software for real-time Stack Monitor
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T3.5-P31 Enhancement on the algorithm of characterization limits of the net count calculation method for low counts of IMS beta-gamma coincidence noble gas samples
T3.5-P32 Exploiting Bayesian inference priors to form synthetic waveform events or to validate events formed by automatic processing
T3.5-P33 Global and local scale high-resolution seismic event catalogs for algorithm development and testing
T3.5-P34 Implementation of a Fast Infrasonic Spectrum Sensing System Based on Fisher-Statistics Detection Method
T3.5-P35 Improvements of phase detection and identification using 3C array processing
T3.5-P36 InfraPy - An Open Source Signal Analysis Toolkit for Infrasound Research
T3.5-P37 iNSPIRE: iNtegrated Software Platform for the Interactive REview - The first release features for beta-gamma coincidence based noble gas data
T3.5-P38 Joint Processing of Seismic and Infrasound Signals from Mining Blasts
T3.5-P39 Learning about small-scale atmospheric structures through recurrent infrasound events
T3.5-P40 Leveraging Powerful Artificial Intelligence Abstractions of IMS Data
T3.5-P41 Long-term infrasound monitoring of volcanic activities of Kyushu region in Japan

T3.5-P43 Matrix operation of the net count calculation method for beta-gamma coincidence spectrum analysis of IMS noble gas samples

T3.5-P44 Mel Cepstrum techniques for event identification

T3.5-P45 Multilayer neural network architecture optimization and performance amelioration for seismic signal classification using genetic algorithms

T3.5-P46 Optimization algorithm for synergy of CTBT verification techniques in addressing IMS and OSI tasks

T3.5-P47 Platform for Rain Monitoring and Flood Prevention Risk Oriented Citizen in Dakar

T3.5-P48 RASA Filter Jam Detection Algorithms

T3.5-P49 Recent Advances and Status of Generative Modeling for Network Processing at the CTBTO

T3.5-P50 Reduction of wind noise impact based on the use of data from a weather station in recording infrasound signals at IS43

T3.5-P51 RNIAC: A cloud-based approach of the Radionuclide National Data Centre (NDC) in a Box software (RNIAB)

T3.5-P52 RSTT validation studies in the Middle East, Central Asia and the Caucasus

T3.5-P53 Scientific evaluation of the benefits of increase in resolution for IDC's ATM tools and launching interface

T3.5-P54 SeisComp3 iLoc integration applied to array processing

T3.5-P55 Seismic instrument response representation using poles and zeros in Laplace domain.

T3.5-P56 Seismic Phase Identification with Deep Learning in Frequency Domain

T3.5-P57 Sensitivity analysis and disaggregation of recent seismic hazard assessment in Egypt

T3.5-P58 Sensitivity of a Bayesian source-term estimation model to spatiotemporal sensor resolution

T3.5-P59 Signal Character Analysis of Lightning in Nuclear Explosion Infrasound Detection

T3.5-P60 Simulations of gamma ray spectra of fission samples

T3.5-P61 Source Spectral Discrimination between Shallow Earthquakes and Quarry Explosions in Northern of Egypt

T3.5-P62 Source Term Estimation in the Presence of Nuisance Signals

T3.5-P63 Source Term Estimation Using Multiple Isotopes in Atmospheric Samples

T3.5-P64 Source term estimation with a simple weak-constraint inverse modeling scheme

T3.5-P65 Spectral Region-of-Interest Methods Used in Net Count Calculations

T3.5-P66 Spectrum Analysis of Digital Seismic Data in Indonesia

T3.5-P67 Stack data processing pipeline

T3.5-P68 Study of variants for seismic data pre-processing which are not leading to significant losses of information that may be needed

T3.5-P69 SVM classification of explosions and earthquakes using seismic features

T3.5-P70 Testing IMS/CTBT Verification Capability Using July 2013 Lake Albert Seismic Activity in Western Rift, Uganda

T3.5-P71 The application of multi-criteria synthetic method in discrimination of nuclear explosions from earthquakes

T3.5-P72 The challenge of quantitative comparison and quality assessment of IDC waveform bulletins

T3.5-P73 The Identification and Determination of Small Peaks and the False Positive Alarm in RN Particulate Spectra Analysis

T3.5-P74 The iterative processing framework: a new paradigm for automatic event building

T3.5-P75 THE STAX PROJECT. A NEW DATA SOURCE TO AID IN TREATY MONITORING

T3.5-P76 The Wind Influence to the Detection Ability of Permanent and Mobile Infrasound Stations in Mongolia

T3.5-P77 Toward reliable certainty for seismic processing tasks with deep learning

T3.5-P78 Towards Automatic Noble Gas Data Processing at the Canadian NDC

T3.5-P79 Towards real-time association of infrasound events using full-wave modeling

T3.5-P80 Using spectral ratios to discriminate between low-magnitude earthquakes, explosions and mining events in Canada

T3.5-P81 Weather support and application of ATM during an OSI: development perspectives

T3.5-P82 When can the combination of seismic and infrasound data improve event location?

T3.5-P83 Application of Nonlinear Echo State Network (Machine Learning) in Daily Streamflow Forecasting

Topic T5.2 Experience with and Possible Additional Contributions to Issues of Global Concern such as Disaster Risk Mitigation, Climate Change Studies and Sustainable Development Goals

T5.2-P1 Activities of the Ghana Nuclear Data Centre (NDC)

T5.2-P2 Awareness about the benefits of "Hydroacoustic Technology" for tsunami warnings in coastal areas in India.

T5.2-P3 Contribution to the Global Non-Proliferation and Nuclear Disarmament Regime at the Example of Kazakhstan-Japan Cooperation

T5.2-P4 Contributions to Issues of Global Concern such as Disaster Risk Mitigation

T5.2-P5 CTBT in Global Context: Nepal' Scenario

T5.2-P6 CTBT Technology for securing SDG 6: Ensure availability and sustainable management of Water and

sanitation for all.

- T5.2-P7 Earthquake Preparedness and the University Community Response in Albania
- T5.2-P8 Earthquake tectonics, sustainability of cities and infrastructure, seismic hazard assessment and mitigation. A Case study in north-east of Azerbaijan
- T5.2-P9 Economic uses of previous nuclear test grounds (Semipalatinsk test site)
- T5.2-P10 Five ideas for health and environment deals
- T5.2-P11 Geological controls and Climate change in the Greater Himalayan region
- T5.2-P12 How National Young Academies can Help CTBTO implementing relevant Sustainable Development Goals
- T5.2-P13 Identification of Mass Movements Using the CTBTO IMS Data: Seismo-Acoustic Technology
- T5.2-P14 Integrating the CTBTO IMS and NDC into the NNNREP as a Tool for Enhancing Radiological Emergency Response and Preparedness in Nigeria
- T5.2-P15 Integration of IMS Data and Smart Cities: Mardim Straps - Smart City Istanbul
- T5.2-P16 Integration of Seismic Data of IMS for Sustainable Cities and Communities
- T5.2-P17 Integration of the IMS waveform technologies for Tsunami Early Warning: A perspective from Venezuela and the Caribbean
- T5.2-P18 Investigation of the Catchments Sensitivity on the Observed Climate Change Signal
- T5.2-P19 Microgravity Survey to Evaluate Earthquake Effects on a Dam Site in Iraq
- T5.2-P20 Mining and pure uranium in Mexico, its social and environmental implications. Case: Durango
- T5.2-P21 Modeling of atmospheric dispersion and radiation dose for a hypothetical accident in Radioisotope production facility
- T5.2-P22 Modern seismic network development in Iraq
- T5.2-P23 Nuclear energy and nuclear bombs effect on the environment.
- T5.2-P24 Operational Readiness of CTBT Hydroacoustic Stations in Achieving Sustainable Development Goal 14
- T5.2-P25 Prediction of Major Earthquakes Using 4-D Seismic Attenuation Tomography
- T5.2-P26 Preventing the Effects of Natural Disasters and Nuclear Test with the CTBT Verification Technologies for Myanmar
- T5.2-P27 Promotion of Civil and Scientific Applications of Data and Techniques used for Nuclear-Test-Ban Verification
- T5.2-P28 Recent seismic activities in Ghana: The role of the National Data Centre (NDC)
- T5.2-P29 Remote sensing earthquake ground motions using seismo-acoustic coupled signals
- T5.2-P30 Scientific Applications of IDC and IMS Products: Earthquake Research and Tsunami Warning in Sri Lanka
- T5.2-P31 Seismic Hazard Assessment for Northern Malawi
- T5.2-P32 Seismic Intensity Map of 5.5 Mozambique Earthquake
- T5.2-P33 SEISMICITY STUDY OF BOTSWANA FROM 1966 TO 2012
- T5.2-P34 Site Class Analysis for Preparation Due to Measurement ANT using PSD at Jakarta
- T5.2-P35 Strategies to prevent the proliferation of nuclear weapons and create in their place energy to alleviate the energy shortage in the world.
- T5.2-P36 Summer School in Old Nuclear Test Site in Kazakhstan
- T5.2-P37 Sustainable Development and experiences in the nuclear sphere from Serbia, still not member of the European Union
- T5.2-P38 Swedish Biodiversity in Time and Space
- T5.2-P39 The Advances in Scientific Technology and Enforcement of Effective Socio-Political and Economic Policies Will be the Surest Way to Achieve the SDG's
- T5.2-P40 The changes in the wildlife of a region as an indicator of the effect of the radiation caused by the nuclear tests
- T5.2-P41 The CTBTO IMS and NDC Opportunities to Help Detect, Prepare, Respond and Mitigate Disasters from Earthquakes and Tremors in Abuja, Nigeria
- T5.2-P42 The future of nuclear energy in Latin America
- T5.2-P43 The Investigation between the CTBT and the UN Sustainable Development Goals
- T5.2-P44 The role of NDCs and NDC cooperation to promote the additional use and understanding of IMS data to benefit civil applications
- T5.2-P45 The WHO and the CTBTO: joint initiatives to address air pollution in the cities
- T5.2-P46 Tsunami Evacuation Map in Padang, West Sumatra for Disaster Risk Mitigation
- T5.2-P47 Tsunami risk assessment in South-Eastern Mediterranean
- T5.2-P48 Urban Seismic Risk Evaluation for Georgia
- T5.2-P49 Waiting to the eight: Billions people and CTBTO committed for a safer world