

CTBT Science and Technology Conference 2021 (SnT2021)

Thursday, 1 July 2021

T3.6 e-poster session: e-poster session - T3.6 - Artificial Intelligence and Machine Learning (09:00 - 12:00)

-Conveners: Vera Miljanovic Tamarit

[id] title	presenter	board
[224] Understand the vulnerabilities of machine learning systems in adversarial settings	Mr SERRHINI, Mohamed	
[516] Automatic Radionuclide Detection Using Deep Neural Networks	Mr SARYADI, Rezky Mahardika	
[428] The Optimised Local Renyi Entropy-Based Shrinkage Algorithm for Sparse TFD Reconstruction	Mr SUCIC, Victor	
[706] BazNet: A Deep Neural Network for Confident Three-component Backazimuth Prediction	Mr DICKEY, Joshua	
[651] Simulation of operational results of NET-VISA on a three-month historical data set	Mr LE BRAS, Ronan	
[124] Deep learning denoising applied to regional distance seismic data in Utah	Mr TIBI, Rigobert	
[615] On using self-sustained events for stochastic waveform modelling with deep neural networks	Mr CASSAGNOU, Xavier	
[184] Application of Deep Neural Networks to seismic signal recognition	Mr AIT LAASRI, El Hassan	
[707] ArrNet: A Deep Neural Network for Confident Arrival Time Estimation	PENA, Raul	
[326] A neural network architecture for detecting repeating events using seismic arrays	Mr MAELAND, Steffen	
[703] Global Scale Discrimination of Explosions and Earthquakes with Deep Learning	Ms ARORA, Rayna	
[111] Machine learning based earthquakes-explosion discrimination for Sea of Galilee seismic events of July 2018	Mr BREGMAN, Yuri	
[143] Application of a Paired Neural Network to Aftershock Identification	Ms CONLEY, Andrea	
[269] Unsupervised deep learning for identifying seismic event classes in signal-rich records for environmental monitoring	Mr KÖHLER, Andreas	
[622] On filtering regional turbulence noise in infrasound data with interpretable neural networks	Mr NEFZAOUI BLANCHARD, Cyril	
[541] Research on Local Event Detection Method Based on Deep Convolutional Neural Network	Mr LI, Jian	
[197] Discrimination between Earthquakes and Quarries Blasts Using Committee Machine	Mr LETHY, Ahmed	
[131] Domain Informed - a better approach to regularization and semi-supervised learning for seismic event analysis	Ms LINVILLE, Lisa	
[509] Analyzing radionuclide spectra with machine learning algorithms to predict Activity Concentration of Each Isotope	Ms AZIMI, Sepideh A.	
[96] AI Enabled System for OSI IT/ISP Living/Working Area Management	Mr LI, Peng	
[439] AI/ML vision technology application to OSI search logic supporting	Mr LI, Peng	

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-Conveners: Wolfgang Sommerer; Vera Miljanovic Tamarit