ID: Type: **Poster**

National Seismic Network of Samoa

Technical advances in computer vision, FreeBSD and JOPENS system have produced a considerable improvement in Augmented Reality, However local tremors were not been able to monitor, JOPENS software is a seismic network data processing system which based on network platform. We extend the functionality of AR JOPENS by integrating seismic stations to record vibration data. Seismic stations objective is to record the ground motion in real-time and transmit data to the server via Radio Link (MDS iNET-300 Transceiver). The application of AR based on JOPEN software is a hot interest topic for computer application and human-machine interaction. The seismometer is installed and connected to a digitizer to record specified frequency, amplitude, accuracy of direction and other parameters from the output waveform. The levels of vibration created by the shaking are measured accurately by laser interferometer or grating ruler. NDC Network consists of one existing station (ASO95)-USGS, three broadband and three short period stations.

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Track Classification: Theme 3. Verification Technologies and Technique Application