ID: Type: **Oral**

Power Supply Problems at IMS Infrasound Stations

A large number of IMS infrasound stations are installed at remote locations without reliable grid coverage and stable power supply. One of the commonnly used sources of electricity is photovoltaic system and battery bank. Although the use of solar energy is not a new concept, there are no off-the-shelf packages ready to be deployed at all the stations. In addition, complicated access and logistics, equipment failure and difficult weather conditions are among the challenges that we have to overcome during the operation and maintenance of the stations. This paper describes the installation and maintenance of the power supply systems at some IMS infrasound stations, where the installations were adapted to the particular local conditions, allowing reliable power source, efficient remote monitoring, operation and maintenance.

Primary author: STEFANOVA, Stefi (IMS/MFS)

Presenter: STEFANOVA, Stefi (IMS/MFS)

Track Classification: 2. Infrasound Instrumentation