



ID: P3.1-473

Type: e-Poster

## Design and production of Shaking Table for testing velocity meter and accelerometer in Iran

*Thursday, July 1, 2021 11:45 AM (15 minutes)*

Iran's economic sanctions, along with the ever-increasing advances in digital technology and the presence of high-level experts, have made Iran one of the pillars of producing high-tech geophysical equipment in the Middle East, and will close the competition with the products of major corporations such as nanometrics and guralp. At present, high-precision digital recording equipment with velocity meter and accelerometer are produced in Iran. The production of this equipment requires testing and calibration equipment, and since many of the testing and calibration equipment are dual-use, their sale to Iran is prohibited, so it was necessary to manufacture the equipment in the country.

After studying a wide range of shaking table manufacturing experience in the world, the researchers of Geopersian Co developed an affordable structure with facilities in the country using the best equipment available to us. One of the remarkable features of this shaking table is the possibility of creating high acceleration at low frequencies. The calculations required to determine the maximum course required for the round trip, the maps, and the test results are the material that we covered in this poster.

### Promotional text

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**Session Classification:** T3.1 e-poster session

**Track Classification:** Theme 3. Verification Technologies and Technique Application: T3.1 - Design of Sensor Systems and Advanced Sensor Technologies