

Zelzele Azma Ye Shahr Institute, Iran



Mr. Arash Amin, General Manager of Zelzele Azma Ye Shahr Institute, has created a transportable earthquake simulator to help municipalities prepare for such a disaster. It is designed as a portable classroom for schools, organizations, universities. The simulator moves on wheels, and its ceilings and walls unlatch to create a 20-square meter classroom able to seat 17 individuals, with air conditioning, and an audio and video system inside. ‘Lack of preparation increases the risk from earthquakes and this innovation will help in that preparation,’ he said. Greater Tehran, with a population of 15 million, is built in an earthquake-prone zone.

It is just a matter of time before another major quake occurs yet the population has no direct experience of such a disaster. ‘Our goal is to provide theoretical training package and experience simulated earthquake over magnitude 7 for 17 people per 45 minutes, complete with a ceiling that collapses during the simulation,’ said Mr. Amin. The rental cost is placed at less than \$US4 per person. It is planned to increase the size of the simulator.

Links:

- [Reason for nomination \[PDF 615.63 KB\]](#)
- [Candidate's presentation - Part 1 \[PDF 433.17 KB\]](#)
- [Candidate's presentation - Part 2 \[PDF 425.18 KB\]](#)

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