



Karapetyan Jon

Gender - male

Year of birth - 06.04.1982

Activities

Institute of Geophysics and Engineering Seismology after A.Nazarov NAS RA - since 2004,

Director 22.11.2013 - to the present day, **Head** of the Laboratory of seismic hazard assessment 22.11.2013 - to the present day.

Institute for Informatics and Automation Problems NAS RA, 2017 - Scientific coordinator for the digitization of seismic data, and the development of special equipment for monitoring, in Special the program SC RA.

The International Associated Laboratory (LIA) "Earthquake Monitoring and Simulation (EMS)", CEA, NAS RA, SC RA, IGP CEA, IEF CEA, IGES NAS RA, **Co-directors**, 2019- to the present day.

Field of activity - Geophysics, Making & Manufacturer of Geophysical Instruments Since Geophysics, engineering seismology, earthquake engineering, Mining Geophysics. Methods of seismic risk and seismic hazard assessment, seismic scale development and improvement.

Degree - Doctor of Geology, 2010

Work experience

Team leader in grants:

- 1.2013-2014 **"Buildings and their bearing soils spectral seismic characteristic surveys for seismic vulnerability assessment (on the example of Gyumri old, new built and reinforced buildings)"** scientific head of the grant project, which is guaranteed by the Science and Advanced Technologies National Foundation(SATNF), "Young Scientists Support Program " (YSSP), US Civilian Research & Development Foundation (US CRDF Global) joint tender.
- 2.2015-2016 **"The monitoring system for buildings of different purposes, based on microelectromechanical sensors"** - Joint Institute for Nuclear Research (JINR), Dubna, International Innovative Nanotechnology Centre of the CIS (InINCIS).
- 3.2016-2017 **"Buildings and structures seismic safety evaluation and insurance mobile remote system"**- Scientific and technical activities of contractual (thematic) financing in the framework of the tender for selection of research topics guaranteed to produce practical results, by state committee of science (SCS MES RA).
- 4.2016-2017 "Abovyan gasholder new compressor station area geophysical investigation works" – RF
- 5.2015-2016 "Seismic impact survey on the preparatory survey for Yeghvard Irrigation improvement project in the Republic of Armenia"- funded by the Japan International Cooperation Agency (JICA).
- 6.2015-2016 "Evaluation of seismic stability of buildings owned by the German international cooperation organization"- German International Cooperation Organization – GIZ.
- 7.2015-2016 Instrumental geophysical surveys on seismic risk determination in the area of reservoir construction on the river Hagar NKR - ArmWaterProject Institute.
- 8.2016-2017 Kaps reservoir construction work and irrigation system gravimetric and seismological studies, seismic hazard assessment in Kaps dam area RA (KFW – Development Bank).
- 9.2016-2017 Kaps reservoir area geophysical studies and Kumayri tunnel surface geophysical field investigations (KFW – Development Bank).
10. 2017-2018 Low-cost wireless early warning Piezometric, seismic system for dams

11. 2018-2020 "**Efficiency assessment of seismological Information, monitoring system and seismicity study for the Republic of Armenia**" - Scientific and technical activities of contractual (thematic) financing in the framework of the tender for selection of research topics, by state committee of science (SCS MES RA).
12. 2019-2020 "**Development of a mobile seismic survey station**" - Joint Institute for Nuclear Research (JINR), Dubna, International Innovative Nanotechnology Centre of the CIS (InINCIS).
13. 2019 – Established (founded) magnetic observatory standard INTERMAGNET in the territory of Armenia.
14. 2020-2024 "The International Associated Laboratory (LIA) "Earthquake Monitoring and Simulation (EMS)", CEA, NAS RA, SC RA, IGP CEA, IEF CEA, IGES NAS RA" - by state committee of science (SCS MES RA).
15. 2021-2024 "Mathematical Geophysics and Geoinformatics" - starting grant for research groups and consolidator grant for laboratories (subdivisions) by state committee of science (SCS MES RA).

Affiliation

2013 - to the present day IGES NAS RA Scientific Board chairman, NAS RA National Bureau of Expertise SNCO scientific board member, expert SCS MES RA, Forensic expert's qualifications "Construction research".

2012 - to the present day A member of the managing body of young scientists support program under the auspices of the president of RA.

2018 - member of the Coordinators' Meeting on Belt and Road Seismic Risk Reduction, China.

2022 - member of the Russian Journal of Earth Sciences (RJES)

Organization of scientific conferences

2012 (Co-president) 2012 April 13-15 Tsakhkadzor "Achievements and Prospects of Young Scientists" held I conference of young scientists dedicated to the 20th anniversary of independence of RA, the materials published in "Achievements and Prospects of Young Scientists" (Conference materials). Yerevan. E 859 "Gitutyun" Publishing House, 2012,- 66 p. collection.

2013 (President) 2013. May 12-16 Tsakhkadzor "Modern Problems of geophysics, engineering seismology and earthquake engineering " International Conference of Young Scientists, dedicated to the 70th anniversary of the National Academy of Sciences foundation. 2013 (Co-president) 2013 November 1-3 Tsakhkadzor "Young Scientists' Achievements and Prospects" II Conference of Young Scientists on dedicated to the 70th anniversary of the RA National Academy of Sciences foundation

2013 International scientific and practical Internet-conference of students, graduate students and young scientists "Perspectives of Territorial Development: Theory and Practice" Kharkov - 2013 (5 - 30 November 2013

2014 (President) 2014 Scientific school workshop dedicated to the 's 90th anniversary of academician B.K. Karapetyan.

2015 (President) 2015 May 12-16 Tsakhkadzor "Modern Problems of geophysics, engineering seismology and earthquake engineering " II International Conference of Young Scientists

2016 (President) 2016 October 25-28 Gyumri International scientific school workshop on "Problems of seismic scale improvement"

2016 (Co-president) II Eurasian Forum YES-Forum of Young Scientists, 17 - 18 November 2016, Almaty, Kazakhstan.

Scientific works

Author of more than 50 scientific papers, which were published in the prestigious (Earth-Science Reviews (IF=12,038, Q1), Acta Geologica Sinica-English Edition (IF=3,282, Q2), Applied Sciences (MDPI) (IF=2,838, Q2), Russian Journal of Earth Sciences (RJES) (IF=0,724, Q3), Publ. NAS RA Earth sciences, the journal "Problems of engineering seismology", Seismic Instruments, Journal "Building mechanics and calculation of constructions", Earthquake Engineering Journal. security of structures, Geology and Geophysics of the South Russia, Nizhny Novgorod University Vestnik after. N.I. Lobachevsky and others.) and magazines.

Has 1 author Patents - New seismometer, 2018.