

## Résilience sismique : Arpa

Table ronde de l'Institut ARPA sur

« La résilience sismique de la ville d'Erevan »

Intervenants : Armen Minassian, Petros Keshishian, Larry Galstian, Shahen Akelyan, Tigran Dadayan et Martin Eskijian. Modérateur : Armen Der Kiureghian

Samedi 21 décembre 2024 à 10h00 PST

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## ARPA Institute Panel Discussion

On

### Seismic Resilience of Yerevan City

Panelists: Armen Minassian, Petros Keshishian, Larry Galstian, Shahen Akelyan, Tigran Dadayan, and Martin Eskijian. Moderator: Armen Der Kiureghian

**Saturday, December 21, 2024, at 10:00 AM PDT**

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**Abstract:** Seismic resilience refers to the capacity of communities, structures, and systems to anticipate, withstand, respond to, and recover from the impacts of seismic activities such as earthquakes. This concept integrates elements of engineering, urban planning, and social dynamics to minimize loss of life, economic disruption, and infrastructure damage. Recent advancements emphasize designing earthquake-resistant structures, retrofitting existing buildings, and implementing early warning systems to enhance resilience. Additionally, community preparedness and education are pivotal for effective response and recovery. The resilience of seismic activities is influenced by geological factors, urban density, and the socio-economic characteristics of affected regions. This abstract explores the interplay of these factors and highlights strategies for improving resilience through technological innovation, policy development, and community engagement. Enhanced seismic resilience is critical for mitigating long-term impacts and fostering sustainable development in seismically active regions.



Armen Minassian is an expert in seismic implications in Architecture, urban planning, and architectural design for earthquake-resistant buildings. Armen is an Assistant Professor, and international advisor to the NUACA, Member of EERI and ASCE, AESA-NE, Aff. Intl. M. RIBA and Full member of the Engineering Academy of Armenia. He has served as an Advisor to the Minister of Urban Development at the Urban Development Ministry of Armenia.



Petros Keshishian, Ph. D., is an expert in risk analysis and seismic retrofit. Petros is the Head of Model Engineering, Insurance Risk, a Member of EERI, ASCE, Project Manager of International Expert team of Armenia's School Seismic Protection Program. Dr. Keshishian has 20 years of experience in building predictive models and has led teams in building predictive models for decision making. He has a BS in Industrial Engineering from Yerevan Polytechnic Institute, an MS in Earthquake Engineering from American University of Armenia and a Ph.D. in Civil Engineering from the University of California at Berkeley.



Shahen Akelyan is an expert in design and retrofit codes and seismic retrofit practices. Shahen is Assistant Deputy Superintendent of Buildings with the Department of Buildings and Safety, City of Los Angeles (representing himself); former Chief of High-Rise and Seismic Retrofit Programs of the City of Los Angeles. Shahen is serving in the Code Advisory Committee with the Building Standards Commission of Structural Design/Lateral Forces. Shahen served as the president of the Los

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photo : D.R.