



International Scientific Committee on the Analysis and Restoration of Structures of Architectural Heritage



Earthquakes and Traditional Construction (Part 3)

Traditional structures located in earthquake regions have seismic mitigation strategies as part of their original construction or past repair - knowledge gained from centuries of trial and error. Modern engineered retrofit solutions must navigate modern and traditional methods and materials. Excessive strengthening may have unintended effects that may harm a building's seismic resilience. How does one balance empirical and numerical methods for evaluation and seismic retrofit? The [International Scientific Committee on the Analysis and Restoration of Structures of Architectural Heritage \(ISCARSAH\)](#) hosts an inter-ISC discussion on understanding traditional technology and craftsmanship with case studies where contemporary interventions can be informed by knowledge, skills and experience from traditional construction. This is the third and final of an [ISCARSAH-hosted webinar](#) series focused on this and other critical topics of international cultural heritage preservation.

The recording of [Part 1](#) is on YouTube: https://youtu.be/cBAAF_8jxd4

The recording of [Part 2](#) is on YouTube: <https://youtu.be/R703NWKOiFMx>

Webinar time: Wednesday April 14, 2021 14:00-16:00 GMT/UTC (15:00-17:00 Paris)



Discussion Moderator

Tim Michiels

PhD, Structural Engineer and Professor (New York, USA)



1) Patan Darbar Square and Heritage Sites after the 2015 Gorkha Earthquake (Nepal)

Evan Neal Speer
Engineer (USA)



3) Timber reinforcements of masonry from prehistory till 19th C in Greece.

Eleftheria Tsakanika
Professor and Engineer (Greece)



2) Understanding traditional anti-seismic strategies: Yazd Qajar Architecture (Iran)

Eugénie Crété
Civil Engineer (France)



4) Earthquake resistant traditional construction around the globe

Randolph Langenbach
Professor and Architect (USA)

Register in advance for the meeting here:

https://zoom.us/webinar/register/WN_J7GJsok4R-WwhOFbxUZnVw

After registering, you will receive a confirmation email containing information about joining the meeting.