



Tlayacapan, Mor. (Mexico)



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



## Earthquakes and Traditional Construction (Part 2)

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 second 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](https://youtu.be/cBAAF_8jxd4)

**Webinar Time: Wednesday, March 31<sup>st</sup>, 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) A tale of two regions: Haiti and Bhutan

**Stephen J. Kelley**

Architect and Engineer FAIA (USA, Haiti & Bhutan)



### 2) Traditional construction techniques in Persia to mitigate earthquake effects: Persepolis

**Mehrdad Hejazi**

Professor and Engineer (Iran)



### 3) Some lessons on the conservation of the Architectural Heritage derived from the earthquakes of September 2017 in Mexico

**Fernando Peña Mondragón**

Professor and Engineer (Mexico)



### 4) Earthquake-resistant techniques from ancient time to the 19<sup>th</sup> century in the Maghreb Region (Algeria-Tunisia and Morocco)

**Amina Foufa**

Professor and Architect (Algeria)



### 5) Insights on Earthquake Resilience of Vernacular Masonry Buildings along the Himalayan Arc

**Jitendra Bothara**

Structural Engineer (Nepal & New Zealand)

Register in advance for the meeting here:

<https://zoom.us/j/94288575934?pwd=Wlpra3ZLRDZuWHBDQzZVQkxTVDRzQT09>

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

**SAVE THE DATE**

Info: [iscarsah@gmail.com](mailto:iscarsah@gmail.com)