

The Mw7.8 Muisne Earthquake, Ecuador of 16 April 2016 – Preliminary Observations from the EEFIT Reconnaissance Mission



Members of the Earthquake Engineering Field Investigation Team (EEFIT) recent mission to Ecuador will present their observations and findings at an evening meeting to be held at:

The Institution of Engineering & Technology,
Turing Lecture Theatre
2 Savoy Place, London WC2R 0BL

on

Monday 19 September 2016 at 6:00pm

Speakers will be drawn from the mission team:

Guillermo Franco – Global Head of CAT Risk Research, Guy Carpenter

Harriette Stone – Research Engineer, University College London

Bayes Ahmed – PhD candidate, University College London

Siau Chen Chian - Assistant Professor, National University of Singapore

Fiona Hughes – PhD candidate, Cambridge University

Nina Jirouskova – PhD candidate, Imperial College London

Sebastian Kaminski – Structural Engineer, Arup

Jorge López – Structural Engineer, Arup

Synopsis

On 16 April 2016 an Mw7.8 earthquake with epicentre 29km south-southeast of Muisne in northern Manabí caused the destruction of several sections of the towns of Pedernales, Bahía de Caráquez and Manta, all centres of tourism activity on the coast of Ecuador.

During 24 May – 7 June a team was deployed by the Earthquake Engineering Field Investigation Team (EEFIT) with the objective of surveying and recording observations and measurements that would help the scientific and professional community understand the event and its consequences.

The team investigated structural damages, carried out several surveys of buildings, took microtremor measurements, obtained aerial photography with drones, validated landslide data obtained from satellite imagery, interviewed the communities at the shelters, and in sum tried to collect as much data as possible to enable more in-depth research at a later stage.

At this meeting, the team will present its activities, observations and conclusions.

Registration

- Please register via eventbrite at:
- This event is free
- Non-members of EEFIT and members of IET and IStructE are welcome to attend and can enter N/A in the membership number field when registering on-line
- Tea and biscuits will be available from 5.30pm
- For directions to venue see: http://www.theiet.org/about/locations/savoy_location.cfm
- Enquiries: The Events Team, Institution of Structural Engineers T: 020 7235 4535
E: events@istructe.org