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The Institution of Engineers, Malaysia
(Penang Branch)

Zoom Online Talk

BEM Approved
CPD/PDP Hours: 3
Ref: IEM22/PG/145/T(w)

Professional Series : Seismic Design and Earthquake Engineering (Part 3 of 5) : Lessons learnt from 2015 Sabah earthquake



9:30am - 12.30pm

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Speaker :
Assoc. Prof. Dr. Mohammadreza Vafaei
PhD, P.Eng., M.ASCE, M.EERI



Moderator:
Goh Shing Yi
B.Eng (Hons) Civil Engineering, Grad. Eng., Grad. IEM



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Synopsis

On 5th June 2015, an earthquake with a moment magnitude of 6 hit Ranau, Sabah, Malaysia. The earthquake damaged several public buildings such as schools, hospitals, hotels, and mosques. The reconnaissance reports showed that the main reason for the seismic-induced damage to structures and infrastructures in Sabah relies on the fact that they were not designed and detailed for seismic actions.

The main aim of this webinar is to present the observed damage to the structures and infrastructures and discuss their reasons in detail. Besides, the requirements of seismic design codes to avoid such damage will be explained. In addition, retrofitting methods that can prevent observed damage in the future will be explained and discussed. This webinar is beneficial for design engineers in consultant companies and architects.

About the Speakers

Assoc. Prof. Dr. Mohammadreza Vafaei

Mohammadreza Vafaei (PhD, P.Eng., M.ASCE, M.EERI) is currently an associate professor in the school of civil engineering, Universiti Teknologi Malaysia (UTM), Johor, Malaysia. Before joining UTM, he has served many consulting companies in Iran and has led the seismic design of many structures like tall buildings, air traffic control towers, airport terminals, water reservoirs, telecommunication towers, and monumental structures. His expertise includes seismic design and retrofitting of structures, vibration control through passive dampers, and structural health monitoring. He has been invited as the keynote speaker for several international conferences and workshops. He has also published more than 55 papers in referred journals and conferences.

This Talk is organized by
Young Engineers Section, IEM Penang