

Empirical-based Ground Motion Model for South Korea

© 2023. 11. 2. (Thu), 16: 00~17:15

© Online (ZOOM ID: 849 5795 9371)

Speaker

Dong Youp Kwak

Associate Professor, Hanyang University ERICA
Civil and Environmental Engineering

Abstract

- Surface ground motion is composed of three effects: source effect, path effect, and site effect.
- Cumulation of ground motion records enables the development of empirical-based ground motion model.
- Extrapolation to large magnitude ($M > 6$) is considered.
- Analysis-based nonlinear site effects are incorporated and its uncertainty proportion is discussed.

The seminar will be in English.