SPONSE INTERNATIONAL ASSOCIATION FOR THE SEISMIC PERFORMANCE OF NON-STRUCTURAL ELEMENTS

Research Organization: Seoul National University, Seoul, Republic of Korea

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Short CV:

I received my B.Eng. in Civil, Environmental and Architectural Engineering in 2016 from Korea University and currently working as a master course in Steel Structures and Seismic Design Lab in Seoul National University in South Korea. I became interested in the field of seismic performance of non-structural elements due to recent earthquake in South Korea. In 2016, M5.8 earthquake occurred in Kyung-ju province and brought huge damages to the structures. Since most of the concerns are focused in the aspect of structural elements and due to the characteristics of Kyung-ju earthquake, there occurred relatively insignificant damages to structural elements but most of the damages are concentrated in nonstructural elements. Considering that Korea is located in a moderate seismic zone, there is a high probability that future earthquakes may also cause a lot of damages to nonstructural elements rather than structural elements. In this context, our lab is planning to work on this field to investigate the seismic behavior of nonstructural elements.

My research interest and experiences are as below:

Academic Project Undertaken

1. Flexural Testing of Asymmetric Hybrid Composite Beams using High-Strength Steels.

Industrial Project Undertaken

1. Development and evaluation of seismic resisting system in an iron mill.
2. Development of truss moment frame using shear link for general plant structures.