Jin Ho Kwak* (jinkwak@postech.ac.kr), Jean-Bing Liu and Jaeun Lee. Enumeration of Regular Graph Coverings; Some recent results.

One of the basic enumeration problems for a graph $G$ is

(1) enumerate all $n$-fold regular coverings of $G$, or
(2) enumerate all connected $n$-fold regular coverings of $G$.

In this talk, we enumerate the isomorphism classes of connected graph coverings when the covering transformation group is a generalized quaternion or a semi-dihedral group.

This is a joint work with Jian-Bing Liu and Jaeun Lee. (Received September 06, 2017)