The permutation orbifold study the permutation actions on the tensor products of vertex operator algebras. Namely, given a vertex operator algebra $V$, then tensor product of $n$-copies of $V$ as a vector space naturally has a vertex operator algebra structure. Any element of the symmetric group $S_n$ gives an automorphism of $V^\otimes n$ of finite order. The fixed points set is a vertex operator subalgebra which is called a permutation orbifold model. In this talk, I will talk about 2-cyclic permutation orbifold model of lattice vertex operator algebras. (Received January 12, 2016)