1110-57-215 **Yewon Joung*** (`yewon112@pusan.ac.kr`), Busan. *On an invariant of surface-links via marked graph diagrams.*

A surface-link of n components is n mutually disjoint connected and closed (possibly orientable or non-orientable) 2-manifolds smoothly (or piecewise linearly and locally flatly) embedded in $\mathbb{R}^4$. A marked graph diagram is a link diagram on $\mathbb{R}^2$ possibly with some 4-valent vertices equipped with markers. In this talk, I would like to introduce an invariant of surface-links via marked graph diagrams by using a classical link invariant. (Received February 21, 2015)