1116-65-2403 **Susanne C. Brenner** and **Eun-Hee Park*** (eh.park@kangwon.ac.kr), School of General Studies, Kangwon National University, Samcheok-si, Gangwon-do 25913, South Korea, and **Li-Yeng Sung**. *A nonoverlapping domain decomposition method for a discontinuous Galerkin method.*

In this talk we will discuss a nonoverlapping domain decomposition method for a discontinuous Galerkin method for the elliptic problem. The formulation is based on dual-primal finite element tearing and interconnecting methodology. Theoretical results on the condition number estimate of the resulting system will be presented along with numerical results. (Received September 22, 2015)