1077-65-1372 **Jangwoon Lee*** (llee3@umw.edu), 1301 College Avenue, Fredericksburg, VA 22401, and **Hyung-Chun Lee**. *Galerkin Finite Element Approximations of an Optimal Control Problem for Elliptic PDEs with Random Input Data.*

In the last decade, people in the scientific computing community have taken great interest in the stochastic partial differential equations and its solver called the Stochastic Galerkin Method (SGM). In this talk, we discuss the use of SGM to analyze an optimal control problem subject to stochastic elliptic partial differential equations and the development of its solver using the finite element method. (Received September 19, 2011)