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Natasha Rozhkovskaya* (rozhkovs@math.ksu.edu), Department of Mathematics, 138 Cardwell Hall, Manhattan, KS 66506, and **Naihuan Jing**. *Generating functions for generalized symmetric functions and their interpretation through vertex operators.*

The framework of the boson-fermion correspondence gives rise to the vertex operator realization of classical Schur functions. This setting motivated us to describe in a similar unified way generating functions for several analogues of symmetric functions, they are interpreted as a result of successive application of vertex operators to a vacuum vector. The talk is based on the joint work with N.Jing. (Received January 25, 2017)