1065-17-208   **Naihuan Jing*** (`jing@math.ncsu.edu`), Department of Mathematics, North Carolina State University, Raleigh, NC 27695. *Quantum TKK algebra.*

We introduce a quantum analogue of a Tits–Kantor–Koecher algebra with a Jordan torus as an coordinated algebra by looking at the vertex operator construction over a Fock space. This is joint work with Y. Gao. (Received September 13, 2010)