Mar. 13   **Victor Kac**, M.I.T.

*Poisson vertex algebras and integrable systems*

In this talk I will explain the notion of a Poisson vertex algebra, which is related to infinite-dimensional integrable systems (like the KdV hierarchy) in the same way as Poisson algebras are related to Hamiltonian equations. Then I will discuss two conjectures on classification of infinite-dimensional integrable systems in the language of Poisson vertex algebras.