HARVARD UNIVERSITY
17 Oxford Street
Cambridge, MA 02138

Tuesday, October 2, 2018
5:00 p.m.*
(*Please note that this seminar starts at 5:00 p.m.)

Mathematical Physics Seminar
Jefferson 356

"Multiplicative Poisson vertex algebras and differential-difference Hamiltonian equations"

Victor Kac
M. I. T.

Abstract: It has been demonstrated in the past few years that Poisson vertex algebras (quasiclassical limits of vertex=chiral algebras) is the adequate framework for the theory of Hamiltonian PDE.
After explaining this, I will demonstrate that likewise the multiplicative Poisson vertex algebras is the adequate framework for the theory of Hamiltonian differential-difference equations.