# Algebra
# Colloquium

## *Quadratic forms over function fields of p-adic curves*

Suresh Venapally
Emory University

**Abstract:** Let Qp be the p-adic completion of the field of rational numbers Q at the discrete valuation given by a prime p. Every quadratic form in 5 variables over Qp has a non-trivial zero. It has been a long standing open question whether every quadratic form in 9 variables over the rational function field Qp(t) over Qp has a non-trivial zero. In this talk we shall trace the history of this question as well as the current status.

Friday, February 26, 2010, 4:00 pm
Mathematics and Science Center: W201

# Mathematics and Computer Science
# Emory University