1145-46-2714 **Swarup N. Ghosh*** (swarup.ghosh@swosu.edu), 100 Campus Drive, Weatherford, OK 73096. *A conjecture of Andrew Gleason for uniform algebras on smooth manifolds.* Preliminary report.

In 1957, Andrew Gleason conjectured that if A is a uniform algebra on its maximal ideal space X and every point of X is a one-point Gleason part for A, then A must contain all continuous functions on X. Gleason's conjecture was disproved by Brian Cole in 1968. In this talk, we will establish a strengthened form of Gleason's conjecture for uniform algebras generated by real-analytic functions on compact subsets of real-analytic three-dimensional manifolds. (Received September 25, 2018)