Speaker: Clinton Conley

Title: Unfriendly colorings

Abstract: Given a graph, a red/blue coloring of its vertices is *unfriendly* if every red vertex has at least as many blue neighbors as red neighbors, and vice-versa. Such colorings always exist for finite graphs, but for infinite graphs their existence quickly becomes quite subtle. We investigate certain descriptive set-theoretic analogs of these colorings in the measure-theoretic and Borel contexts. This is joint work with Omer Tamuz.