Title: Top Quark Multilepton Signatures as a Window to New Physics

Abstract: The top quark multilepton signatures is characterized by two same-sign leptons or three or more leptons, accompanied by several jets, at least one of which is b-tagged. This signature results from a number of interesting processes, including single and top quark pair production in association with additional bosons (W, Z, and H) as well as four-top production. The LHC is just reaching the sensitivity to make measurements of many of these processes. This talk will review the status of measurements of processes that contribute to the top quark multilepton signature, and will discuss ways in which this top quark multilepton events can be used to search for new physics.