

Geometry, Groups and Dynamics/GEAR Seminar
(held at the Illinois hub of GEAR)

Thursday, October 30, 2014, 1:00 pm, 243 Altgeld Hall

George Willis (Newcastle)

Title: Totally Disconnected, Locally Compact Groups

Abstract: Locally compact groups in general and the structure of connected groups will be briefly surveyed in the first part of the talk. The second part of the talk will review recent developments in the structure theory of totally disconnected, locally compact groups. There are three strands in this work: the scale function and related ideas; a theory of decomposition into simple pieces; and a local theory. These three strands promise to combine to produce a much richer understanding of totally disconnected groups than we have at present.

[Video](#)