1088-20-234 **Simon M Smith*** (sismith@citytech.cuny.edu), Department of Mathematics, City Tech, City University of New York, 300 Jay Street, Brooklyn, NY 11201. *Computationally interesting properties of infinite permutation groups with finite stabilizers.*

My recent research involves investigating the structure of infinite permutation groups with finite stabilizers. Like finitely generated abstract groups, these groups have many properties that are computationally difficult to determine, but unlike finitely generated groups little has been written about computing these properties.

This talk will be an introduction to the structure theory of infinite permutation groups with finite stabilizers, and I will try to highlight properties of these groups that might be computationally interesting. (Received February 11, 2013)