September 21, 2012
9:30 a.m. - 5:30 p.m.
Bissinger Room
4th floor, Howe Center
Stevens Institute of Technology
Hoboken, NJ

September 22, 2012
9:00 a.m. - 5:45 p.m.
Room C002
Hunter North Building
Hunter College (CUNY)
New York, NY

Url: http://www.stevens.edu/algebraic/GTH/

Group Theory on the Hudson

Paul Schupp

(University of Illinois at Urbana-Champaign, IL)

"Multi-pass Automata and Group Word Problems (On a Problem of Bob Gilman)"

Abstract:

A k-pass automaton is like a push-down automaton except that the automaton can read the input tape k-times. The class of finitely generated groups whose word problem is a multi-pass language is quite large. The class contains all finitely generated virtually free groups and is closed under taking finitely generated subgroups, direct products, certain semi-direct products and certain HNN extensions.