

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

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**Ron Solomon**  
*(The Ohio State University, OH)*  
"A new ZJ-type theorem"

### Abstract:

I will define a new characteristic subgroup  $D^*(S)$  of a finite  $p$ -group  $S$ , introduced recently by George Glauberman, and I will present a proof (joint work with Glauberman) of an analogue of Glauberman's ZJ-Theorem, namely, that  $D^*(S)$  is a characteristic subgroup of every finite group  $G$  having  $S$  as a Sylow  $p$ -subgroup.

