

Geometry Seminar  
Tuesday, March 31, 2009  
Room 317 WWH at 6:00 P.M.

# Algorithms and Heuristics for Placing and Moving Guards in Art Galleries

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We discuss two classes of problems related to guarding art galleries:

1. Placing the fewest static guards to see all of a polygonal domain.
2. Optimizing the movement of one or more mobile guards ("watchmen").

We discuss heuristics and some approximation results for special cases and for some variants of the basic problem, emphasizing some open problems and challenges.

For more information please visit the seminar website at:  
[http://www.math.nyu.edu/seminars/geometry\\_seminar.html](http://www.math.nyu.edu/seminars/geometry_seminar.html).