

**Department of Mathematical Sciences
The Johns Hopkins University**

SEMINAR

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304 Whitehead Hall
Refreshments: 3:30 p.m.
Seminar: 4:00 p.m.

ON SOME FACILITY LOCATION PROBLEMS

ABSTRACT

In this talk we will give a brief introduction to facility location problems. We will study some of the optimization problems that have arisen in the field, particularly those concerning the location of obnoxious facilities. We will discuss a variety of issues including algorithmic approaches, methods of facility dispersion, and duality in certain location problems. We will present specific models for dealing with the problem of simultaneously locating multiple obnoxious facilities.