

# Math & Computer Science Colloquium

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Title: When one hand washes the other: conditional covering

Abstract: Facility location problems are about facilities providing service to customers and about finding the best placement of the facilities to optimize a certain global objective. In the "conditional" version of the covering facility location problem, facilities can serve other customers but cannot satisfy their own requests for service. In this talk I will present some results that my collaborators and I obtained on the conditional covering problem on restricted graph topologies. I will start with a discussion of the simplest problems and of the most obvious algorithms to solve them. ***Everyone is welcome.***

Wednesday—Nov. 14, 2012

12:00 to 12:50 p.m.

UHall B650