Fariborz Maseeh Dept. of Mathematics & Statistics

Portland State University

ANALYSIS SEMINAR

Friday, November 7, 2014

2 -3pm, 346 Neuberger Hall

George Nicol

will speak on:

Closure Systems III

Abstract: A closure system, made up of a non-empty set and a *closure function*, generates an *intersection space*; that is, a topological space in which the arbitrary intersection of open sets is open. Example: any topology on a finite set arises in this manner. The talk will include:

- a discussion the relationship between closure systems, dual spaces, set relations, and σ–Algebras,
- a conjecture regarding the number of pre-closure functions that exist on a finite set, and
- an example of an intersection space for a family of sets, pairwise equivalent by finite decomposition.

For more information: www.joelshapiro.org > Seminar