

DREXEL ANALYSIS SEMINAR

October 17, 2014

**3-3:50 PM, Korman 245**

**Speaker:** Simon Foucart (University of Georgia)

**Title:** Two extra structures in sparse recovery: nonnegativity and disjointedness.

**Abstract:** We consider the standard compressive sensing problem when sparsity is supplemented by additional assumptions on the structure of the vectors to be recovered. The first part of the talk will focus on nonnegativity and the algorithmic benefits that are generated. The second part of the talk will focus on disjointedness and the lack of benefit (in terms of number of measurements) brought by the simultaneity of structures.