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**Speaker:** Weijia Wang  
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Monday, November 25, 2013  
10:00 AM  
258 Hurley Hall

**Title:** Normalizers of Parabolic Subgroups of Coxeter Groups

**Abstract:**

Based on a given Coxeter group  $W$ , we will construct a groupoid which admits a set of "Coxeter-group-like" generators and defining relations. Furthermore I will discuss how this groupoid can be used to determine the normalizers of the parabolic subgroups of  $W$ .