

# A 30-Year Census of Forest Disturbance

**Joe Hughes**

PhD exit seminar in  
Ecology and Evolutionary Biology

Friday, February 28, 2014

3:30 PM • SERF 307



With the opening of the Landsat Thematic Mapper archive five years ago, **free high-resolution imagery** of the earth's surface created an unprecedented opportunity to discover **landscape change** within the 30-year record. However, extracting **ecologically meaningful information** requires new methods that can make use of recent advances in **computer vision** and **machine learning**.

Using the heterogeneous forests of the eastern United States as an example, **Joe Hughes** will talk about his research to develop **automated methods** that harness the Landsat archive to identify the **extent, severity, and agent** of forest disturbances over **varying spatial and temporal scales**.

**Joe Hughes**  
Friday  
28-Feb-14

*Reception*  
Dabney 568  
3:00 PM

*Talk*  
SERF 307  
3:30 PM

