



**Speaker:** Gabor Szekelyhidi  
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Tuesday, October 25, 2011  
11:00 AM  
258 Hurley Hall

**Title:** Blowing up extremal Kahler manifolds

**Abstract:**

Starting with a Kahler manifold that admits an extremal metric, an interesting question is whether the blowup at one or more points still admits an extremal metric. I will discuss recent progress on this problem, which gives a complete characterization of the possible blowup points in certain cases. The PDE aspect of the problem boils down to a gluing theorem for extremal metrics.