



**Speaker:** Mihai Fulger  
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Wednesday, October 29, 2014  
3:00 PM  
258 Hurley Hall

**Title:** Positivity for higher (co)dimensional numerical cycle classes

**Abstract:**

It is classical to study the geometry of a projective variety by looking at positive cones of numerical Cartier divisor or curve classes. The advancement of the minimal model program through the study of extremal rays of the Mori cone is one of the success stories here. In higher (co)dimension, many counterexamples and very few positive results are known. We recover the expected properties of the pseudoeffective cone, the natural generalization of the Mori cone of curves. This is joint work with Brian Lehmann.