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**Speaker:** László Székelyhidi  
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Wednesday, March 19, 2014  
4:00 PM  
229 Hayes-Healy Hall

**Title:** The h-principle for the Euler equations

**Abstract:**

There are two aspects of weak solutions of the incompressible Euler equations which are strikingly different to the behaviour of classical solutions. Weak solutions are not unique in general and do not have to conserve the energy. Although the relationship between these two aspects is not clear, both seem to be in vague analogy with Gromov's h-principle. In the talk I will explore this analogy in light of recent results concerning both the non-uniqueness, the search for selection criteria, as well as the dissipation anomaly and the conjecture of Onsager.