



# THE UNIVERSITY OF CHICAGO

Departments of Mathematics and Statistics  
**ALGEBRAIC GEOMETRY SEMINAR**

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Department of Mathematics  
University of Illinois at Chicago

## **Kodaira Dimension and Zeros of Holomorphic One-forms**

**TUESDAY, March 12, 2013, from 4:30–6:00 PM**  
312 Eckhart Hall, 5734 S. University Avenue

### **ABSTRACT**

I will report on recent work with C. Schnell, in which we prove that every holomorphic one-form on a variety of general type must vanish at some point (together with a suitable generalization to arbitrary Kodaira dimension). The proof makes use of generic vanishing theory for Hodge D-modules on abelian varieties.

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#### **Organizers:**

For further information on this event, please email Lek-Heng Lim at [lekheng@galton.uchicago.edu](mailto:lekheng@galton.uchicago.edu) or Madhav Nori at [nori@math.uchicago.edu](mailto:nori@math.uchicago.edu).

UCAGS Seminar URL: <http://www.stat.uchicago.edu/~lekheng/ag.html>