

# Distinguished Lecture

**Title** Techniques of Pluricanonical  
Sections of Complex Manifolds,  
Recent Results and Problems

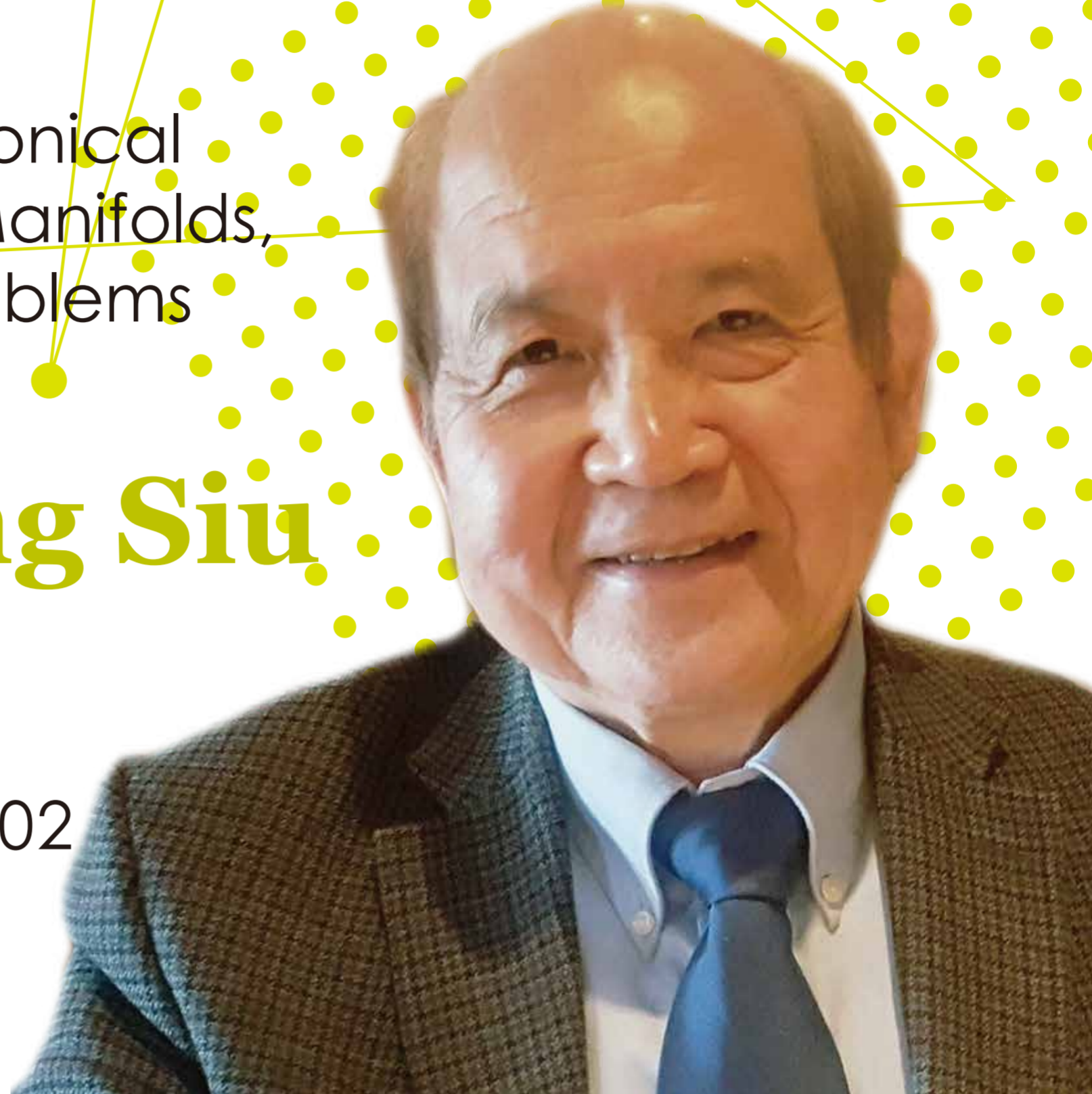
**Speaker**

**Prof. Yum-Tong Siu**

Harvard University

**Time** 15:30-17:00 **Venue** R202

**Date** 2019.6.20



Professor Yum-Tong Siu was born in 1943 in Guangzhou, China. He received a BA from The University of Hong Kong in 1963 and a PhD from Princeton University in 1966. Currently, he is the William Elwood Byerly Professor of Mathematics at Harvard University, where he has been teaching since 1982. He is a Member of the American Academy of Arts and Sciences, US National Academy of Sciences, Chinese Academy of Sciences (Foreign Member), Academia Sinica (Taiwan), Hong Kong Academy of Sciences and Goettingen Academy of Sciences (Corresponding Member). His research interests lie in several complex variables, complex algebraic geometry, and complex differential geometry.

**Abstract:** Will discuss techniques, recent results and open problems involving holomorphic pluricanonical sections of compact complex algebraic manifolds. The talk will start with the history, background, and motivations without any assumption of knowledge beyond elementary complex manifold theory and algebraic geometry. The topics will include, among others, the techniques introduced for the deformational invariance of plurigenera and for the analytic approach to the finite generation of the canonical ring and the abundance conjecture.

**Website :**



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