

Liu Bie Ju Centre for Mathematical Sciences  
City University of Hong Kong

## Mathematical Analysis and its Applications Colloquium

Organized by Prof. Ya Yan LU and Prof. Wei Wei SUN

### Harmonic Measures and Polynomial Inequalities

by

Professor Vilmos Totik

University of Szeged, Hungary  
and  
University of South Florida, USA

Date : **Nov 23, 2012 (Friday)**

Time : **11:00 am to 12:00 noon**

Venue: Room B6605 (College Conference Room)  
Blue Zone, Level 6, Academic 1 (AC1)  
City University of Hong Kong

#### ABSTRACT:

Recently it has turned out that the general form (i.e. their form on general sets) of various classical polynomial inequalities (such as Bernstein, Videnskii or Markov inequalities) necessarily involve equilibrium/harmonic measures. The talk will introduce harmonic measures, discuss some of their properties, and will elaborate on their use in inequalities for trigonometric and algebraic polynomials.

Light refreshments will be provided at Room B6605 before the colloquium from 10:30 am to 11:00 am. Please come and join us!

**\*\* All interested are welcome \*\***

*For enquiry: 3442-9816*



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香港城市大學  
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