



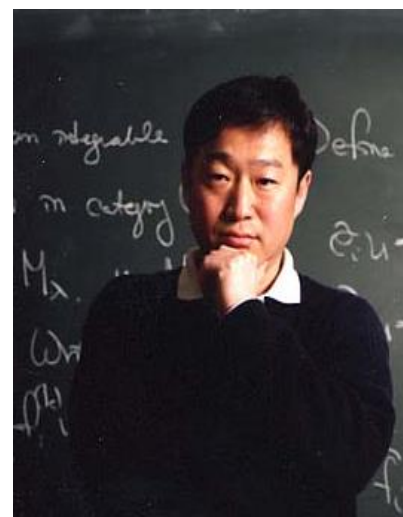
中央研究院數學研究所  
Institute of Mathematics  
Academia Sinica

國立台灣大學數學系  
Department of Mathematics  
National Taiwan University



# Lakeside Lectures

Speaker: Professor Seok-Jin Kang  
(Seoul National University)



Title: Khovanov-Lauda-Rouquier algebras  
and 2-representation theory

Abstract:

We will explain the main philosophy of higher representation theory: categorification. We will discuss how the cyclotomic KLR algebras provide a categorification of highest weight modules of the quantum symmetrizable Kac-Moody algebras.

Date: November 11<sup>th</sup>, 2013

Time: 14:00-15:00

Venue: Room 202, 2/F, Astro-Math. Building

Refreshment: 13:30-14:00

Organizers: Yi-Chiuan Chen, Chen-Yu Chi, Chun-Chung Hsieh, Jeng-Daw Yu

