

***EMBEDDING OF CATEGORIES OF MODULE ALGEBRAS  
AND DEFORMATION OF QUANTUM GROUPS***

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**Time: Mon., May 12<sup>th</sup>, 16:10-16:40**

**Venue: Room 102, SCMS**

**Abstract:**

In this talk, I will establish a theorem on embedding of categories of module algebras over certain Hopf algebras. Based on this algebraic technique, we provide a geometric construction of universal deformation formulas based on certain cross coproduct quantum groups. This is based on the joint work with Yi-Jun Yao.