

# 國立交通大學應用數學系

## 學術演講公告

講題: The Askey–Wilson algebras

主講人: 黃崎文博士 (Hebrew University of Jerusalem)

時間: 104 年 12 月 30 日 (星期三) 下午 3:30 –4:20

地點: (光復校區) 科學一館 213 室

### Abstract

Motivated by different reasons, the Askey–Wilson algebras were introduced by Terwilliger and Zhedanov independently around 1990. One was inspired by the Leonard’s characterization of  $q$ -Racah polynomials. The other introduced these algebras to describe the hidden algebraic structure of Racah–Wigner coefficients of  $U_q(\mathfrak{sl}_2)$ . In this talk, I will give a brief introduction of the two motivations and explain why these algebras are named after Askey and Wilson. If time permits, I will present my recent works on the representation theory of Askey–Wilson algebras.

敬請公告 歡迎參加

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