

Department of Mathematics, BGU

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# AGNT

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*On Wednesday, November ,7 2018*

*At 15:10 – 16:25*

*In 101-*

Kieran Ryan (Queen Mary University of London)

will talk about

## **Some Schur-Weyl Dualities**

Abstract: Schur-Weyl Duality is a remarkable theorem giving an intimate link between the representation theories of the Symmetric group  $S_n$ , and the General Linear group  $GL(k)$ . Such a link also holds between other objects, in particular the Brauer Algebra and the Orthogonal group, and the Walled Brauer algebra and  $GL(k)$ . I will give an introduction to these relationships.