

Department of Mathematics, BGU

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# AGNT

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*On Wednesday, November ,14 2018*

*At 15:10 – 16:25*

*In 101-*

Stephen Moore (BGU)

will talk about

## **The Representation Theory of the finite and infinite Temperley-Lieb algebras**

Abstract: The Temperley-Lieb algebras are a family of finite dimensional algebras that are quotients of the symmetric groups algebras, or more generally the Iwahori-Hecke algebras. They appear in a number of areas of mathematics, including statistical mechanics, knot theory, quantum groups, and subfactors. We review their representation theory and give some results on an infinite dimensional generalization.