GEORGIA BENKART
Madison, Wisconsin

Representations and Combinatorics of Temperley- Lieb Algebras

Temperley-Lieb algebras have appeared in many diverse settings in connection with statistical mechanics, subfactors of von Neumann algebras, and knot and link invariants. They are subalgebras of Brauer algebras and quotients of Iwahori-Hecke algebras. In this talk we will discuss some representations of them and their centralizing algebras. There are many interesting combinatorial aspects to these representations.