

## COLLOQUIUM

### *Faces of Weight Polyhedra and some related algebraic structures*

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**Abstract:** The set of weights which lie on a face of the weight polyhedron associated to a highest weight module can be used to construct Koszul algebras. I will provide a classification of the set of weights on a face of a weight polyhedron and discuss the construction of the related Koszul algebras.

Thursday, January 31, 2013, 4:00 pm  
Mathematics and Science Center: W201

Refreshments at 3:30 in the department

MATHEMATICS AND COMPUTER SCIENCE  
EMORY UNIVERSITY