

The Allegheny College Mathematics Department  
Presents Guest Speaker

David Hemmer, University at Buffalo

on

# Permanents, Determinants and an Introduction to Representation Theory

We will give a gentle introduction to the representation theory of finite groups, focusing on the symmetric group. This will lead us naturally to irreducible characters and to generalizations of the determinant of a matrix. These generalizations, called Immanants, are the subject of a 50-year old open problem known as the “Permanent-dominance conjecture,” which is the subject of active research to this day.



ALLEGHENY COLLEGE

Quigley Hall Auditorium

Thursday, October 15, 2015

at 4 p.m.

Sponsored by the Department of Mathematics.  
Funded by the Leila Parsons Fund. For more information,  
contact Craig Dodge at [cdodge2@allegheny.edu](mailto:cdodge2@allegheny.edu).

