

THE DEPARTMENT OF MATHEMATICAL SCIENCES

Indiana University - Purdue University Fort Wayne

is pleased to present

Alan Legg

Purdue University West Lafayette

**The Bergman Projection and Polynomials on
Ellipsoids**

Abstract

By an argument reminiscent of a Fischer decomposition, inspired by the fact that the solution operator of the Dirichlet problem for the Laplacian maps polynomials to polynomials on ellipses, we can show that the Bergman projection of an ellipsoid maps polynomials to polynomials, even in several complex variables.

Noon – 1:00, Tuesday, April 19, 2016. Location: KT G50

<http://ipfw.edu/departments/coas/depts/math/news/seminars.html>