

DURHAM UNIVERSITY

Department of Mathematical Sciences

THE 2007 COLLINGWOOD LECTURE

**“ONE AND A HALF CENTURIES OF
INVARIANT THEORY”**

by

PROFESSOR VLADIMIR POPOV

(Steklov Mathematical Institute, Moscow)

Friday, 23rd November 2007 at 1.15 pm

in CLC 013 (The new lecture theatre, Science Site)

“Invariant Theory emerged about 150 years ago as a study of polynomials which are transformed in a prescribed way under nondegenerate linear transformations of variables. This theory went through several periods of rises and falls and nowadays it is flourishing again mainly because of deep, mutually fruitful connections with a number of disciplines; algebraic groups, lie groups, algebraic geometry, commutative algebra, homological algebra, Galois theory, ring theory, combinatorics and coding theory. The talk is designed as a survey, intended for non-specialists, of the main streams and results of Invariant Theory, from the beginning to the present time”

THIS LECTURE IS OPEN TO THE PUBLIC

The 22nd in a series of lectures on the History and Philosophy of Mathematics to be given annually in memory of Sir Edward Collingwood, FRS