

Inaugural Lecture: Professor Yiannis Petridis 'Symmetries and spaces'

Speaker: Professor Yiannis Petridis, UCL

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Date and Time: Wednesday 13th February 2019 at 4pm

Venue: Room 505, Mathematics Department

Title: Symmetries and spaces

Abstract

It is a long established idea in mathematics that in order to understand space we need to study its symmetries. This is the centrepiece of the Erlangen program, which, published by Felix Klein in 1872 in *Vergleichende Betrachtungen über neuere geometrische Forschungen*, is a method of characterizing geometries based on group theory.

In a group we can multiply, while on a space we can integrate. I will explore the link between the two starting with the mathematics of the seventeenth century and leading to the arithmetic of elliptic curves.

Details

Celebrating the Inaugural Lecture of Professor Yiannis Petridis in Room 505, Mathematics Department

Programme:

- 4:00 Introduction to Proceedings, Professor Ivan Parkin, Executive Dean, Mathematical and Physical Sciences Faculty (MAPS), UCL
- 4:15 Inaugural Lecture by Professor Yiannis Petridis – 'Symmetries and spaces'
Lecture is chaired by Professor Ivan Parkin, Executive Dean, Mathematical and Physical Sciences Faculty (MAPS), UCL and introduced by Professor Helen Wilson, Head of Department of Mathematics. Professor Helen Wilson will be giving the vote of thanks.
- 5:00 Reception in Room 502

Link: <http://iris.ucl.ac.uk/iris/browse/profile?upi=IPETR71>