Universidad Carlos III de Madrid
Department of Mathematics

COLLOQUIA

Miércoles, 20 de septiembre de 2017.

Prof. Nalini Joshi (The University of Sydney, Australia)

Symmetry through Geometry

Abstract:

Symmetry is an essential part of our description of the world. The quality of being made up of exactly similar parts facing each other is all around us: one day reflects another and the days fill out the year in the same way that similar hexagonal compartments fill out a honeycomb. The mathematical description of symmetries is built from only two operations: reflections and translations. In two dimensions, these give rise to triangular, hexagonal and square tilings of the plane. But in higher dimensions, many more tiling patterns are available. One of the many questions that arise is how to go from higher dimensional tilings to two dimensional ones. I will show how to use these ideas to link two major theories that arise in mathematical physics.

Univ. Carlos III de Madrid

Coordenadas

Hora 11:00 - 12:00
Lugar Seminario del Departamento
Aula 2.2D08 Edificio Sabatini.

Dirección

Avda. de la Universidad 30
28911, Leganés, Madrid

Department of Mathematics