

Grupo de Investigación SINGACOM  
Universidad de Valladolid

Seminario de Matemática Discreta (MD)

Conferencia para el Viernes 12 de marzo de 2010 a las 11:00h.

**Charles R. Johnson. College of William and Mary, Williamsburg, Va  
USA.**

**Completely Positive Matrices.**

**Resumen:**

This will be a survey of historical and recent work on the class of matrices that are of the form  $BB^T$  with  $B$  nonnegative. Though these are double nonnegative (entry-wise nonnegative and positive semi-definite), the two classes differ once the dimension reaches 5. Recognition is a very difficult problem, though it has recently been proven that there is a finite list of polynomial inequalities in the entries that test for a completely positive matrix.

Lugar: Aula Alan Turing.  
Edificio de Tecnologías de la Información y las Telecomunicaciones (ETIT).

Información sobre próximas conferencias está disponible en:  
<http://www.singacom.uva.es>

Organizador: Carlos Marijuán.