SEMINARIO DI MATEMATICA

Mercoledì 4 febbraio 2015
ore 17:00

<u>Scuola Normale Superiore</u>
Pisa
Aula Campana

Ignacio Zurrian

Universidad Nacional de Córdoba, Argentina

Terrà un seminario dal titolo:

"Matrix Valued Spherical Functions, Matrix Orthogonal Polynomials and Time and Band Limiting for Matrix Functions"

Abstract:
We will introduce the general notion of matrix valued spherical functions and matrix valued orthogonal polynomials, together with the results obtained for the pairs (SO(n+1),SO(n)). We will also talk about the algebra of matrix differential operators associated to a matrix weight. Finally, we will show the extension of a result, that traces its origin and its importance to work of Claude Shannon in lying the mathematical foundations of information theory and to a remarkable series of papers by D. Slepian, H. Landau and H. Pollak, to a situation involving matrix valued orthogonal polynomials and spherical functions.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali