

INSTITUTUL DE MATEMATICA “SIMION STOILOW” AL ACADEMIEI ROMANE

Conferința lunară

***Holomorphic Spectral Theory.
Concepts and Themes***

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la sediul **IMAR**, amfiteatrul “Miron Nicolescu”, parter

Abstract: We will introduce several concepts and address some specific questions that in our view pertain to Holomorphic Spectral Theory. As a highlight of our approach, most definitions and results are stated in the general setting of C^* -algebras.

The primary purpose of our investigations is to classify holomorphic mappings into Grassmann and flag manifolds of C^* -algebras up to an equivalence relation called congruence. From that classification we will eventually derive a complete set of unitary invariants for Hilbert space operators with holomorphic families of eigenspaces.