INSTITUTUL DE MATEMATICĂ "SIMION STOILOW" AL ACADEMIEI ROMÂNE Conferința lunară

## Harmonic Analysis on Nilpotent Lie Groups

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Conferința va avea loc **Miercuri 10 februarie 2016, ora 13:00** la sediul **IMAR,** amfiteatrul "Miron Nicolescu", parter

**Abstract:** The study of representations of nilpotent Lie groups requires an interplay between algebra, Banach algebras and C\*-algebras techniques. The lecture aims to illustrate this assertion, presenting results on the  $L^1$  algebra and the C\*-algebra of a nilpotent Lie group obtained by using properties of the coadjoint orbits.