Lie Group and Representation Theory Seminar
Kyoto 2007

Date: February 8 (Thu), 2007, 10:00–11:00

Place: RIMS, Kyoto University : Room 402

Speaker: Ali Baklouti (Sfax)

Title: On Hardy's Theorem on nilpotent
              Lie groups

Abstract: It is well known that Hardy's uncertainty principle for $\mathbb{R}^n$ was generalized to connected and simply connected nilpotent Lie groups. In this work, we extend it further to connected nilpotent Lie groups with non-compact centre. We show however that Hardy's theorem fails for a connected nilpotent Lie group which is not simply connected.