Date: February 8 (Thu), 2007, 12:15–13:00
Place: Room 402, RIMS, Kyoto University
Speaker: Gen Mano (RIMS)
Title: The unitary inversion operator for the minimal representation of the indefinite orthogonal group $O(p, q)$.

Abstract: The $L^2$-model of the minimal representation of the indefinite orthogonal group $O(p, q)$ ($p + q$ even, greater than four) was established by Kobayashi-Orsted (2003). In this talk, we present an explicit formula for the unitary inversion operator, which plays a key role for the analysis on this $L^2$-model. Our proof uses the Radon transform of distributions supported on the light cone.

Organizer: Toshiyuki Kobayashi (RIMS)
http://www.kurims.kyoto-u.ac.jp/ toshi