Lie Group and Representation Theory Seminar

Date: November 22 (Tue), 2005, 16:30–17:30
Place: RIMS, Kyoto University : Room 402
Speaker: Simon Gindikin (Rutgers)
Title: Holomorphic language for Cauchy-Riemann
            cohomology and representations

Abstract:

It turns out that in many explicit computations with $\bar{\partial}$- cohomlogy it is unconvenient to use by the traditional languages of Cech or Dolbeault. It was developped a conception of smoothly parameterized Cech cohomolgy, different versions of which were developpped in the collaboration with Eastwood and Wang. One of possibilities is to build a purely holomorphic language. I will give a review of constructions and several illustrating examples basically from theory of reprentations.