

**March 8:** Gestur Olafsson (Louisiana State University), “Holomorphic aspects of the Radon transform and harmonic analysis on symmetric spaces.” FOLLOWED BY DINNER.

In this talk we introduce a Hardy space on a class of non-Riemannian symmetric space  $G/H$  as a direct integral of principal series representations. This space can be realized as a Hilbert space of holomorphic function on the crown in  $G_C/K_C$  with boundary values on  $G/H$ . We give a geometric realization of the Hardy space and show that the Radon transform on a dense subspace defines a CR-function on a CR-submanifold of the complex horospheres.