



GAIA Seminar

on Complex Analytic Geometry

 **Title : On the Robin function related to the Bergman kernel**

 **Speaker : Hyeseon Kim (POSTECH/GAIA)**

Abstract

Let $\Omega \subset \mathbb{C}^n$ be a domain with smooth boundary. If $n=1$, then N. Suita proved a relation between the logarithmic capacity and the Bergman kernel. In the case of $n \geq 2$, we investigate an approach of H. Yamaguchi about the Robin function related to the Bergman kernel for a bounded pseudoconvex domain, and then discuss applications to an unbounded domain and beyond.

 **Date : 8-10 p.m., Monday, 10 June 2013**

 **Place : The GAIA (Math Science building room 106)**

- **Contact: Jihye Jung (POSTECH, Tel. 279-8020)**