



GAIA Seminar

on Complex Analytic Geometry

📌 Title : Log-plurisubharmonicity of metric deformations induced by Schiffer and harmonic spans

📌 Speaker : Professor **Sachiko Hamano**
(Fukushima University, Japan)

📌 Abstract

We study the variation of the metric $s(t, \zeta) |d\zeta|^2$ induced by Schiffer and harmonic spans on the domain $D(t)$ in \mathbf{C} which varies with a complex parameter t in a disk \mathbf{B} . We shall show that, if the total space $D = \cup_{t \in \mathbf{B}} (t, D(t))$ is a 2-dimensional pseudoconvex domain in $\mathbf{B} \times \mathbf{C}$, then $\log s(t, \zeta)$ is plurisubharmonic in D .

📌 Date : 15:00 -17:00 , Friday, **30 August** 2013

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

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