



GAIA Seminar

on complex Analytic Geometry

Multidimensional Complex Analysis through Geometry; an Introduction

- **Place:** The GAIA (Math Science building room 106)
- **Date:** 20:00–22:00 on Monday, 16 October 2017
- **Speaker:** **Prof. Kang-Tae Kim** (GAIA)

■ **Abstract**

Historians say that Riemann, holding in his hands the manuscript by Cauchy on complex analysis, said that this is the beginning of a new Mathematics. Not only did he say so, he also did not distinguish complex analysis and geometry. But then over time, such a view was realized, analyzed and magnified by many greats including Weierstrass, Schwarz, Carathéodory, Pick, Bergman, Ahlfors, Bochner, Weil, Kodaira, Chern, Kobayashi, Wu, Greene, Griffiths, Shabat, Chirka, Yau, Siu, Fornaess, Bedford, Gunning, Kohn, and many others. Ohsawa once said (to me) that it is better to use geometry to understand Function theory (of holomorphic functions), and I strongly agreed. This interesting line of thoughts (concerning one and multidimensional complex analysis = Theory of holomorphic functions in all dimensions) may be worthy of (re)checking overall on perspective.

This lecture does not aim at the level of researchers of the field of Complex Analytic Geometry and Complex Geometric Analysis. Rather, it is for the general audience (though limited, automatically).

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