The Twelfth Conference on Real and Complex Analysis
Korea-Japan Seminar on Analysis

Period December 4 (Thursday) – December 6 (Saturday), 2008

Venue Great Lecture Hall (on the 2nd floor in the main building),

Graduate School of Information Sciences, Aobayama Campus, Tohoku University, Aoba-ku, Sendai 980-8579, JAPAN

Program as of December 1, 2008

December 4 (Thursday)

09:30 − 09:40 Opening session

09:50 − 10:40 Yoshihiro Mizuta (Hiroshima Univ.)

Sobolev inequalities for Orlicz spaces of variable exponent (joint work with Takao Ohno and Tetsu Shimomura)

10:50 − 11:40 Ern Gun Kwon (Andong National Univ.)

On Subharmonic Functions II

11:50 − 12:20 Masatoshi Naito (Niigata Univ.)

On ranks of commutators on mixed invariant subspaces

Lunch Break

13:50 − 14:40 Satoru Shimizu (Tohoku Univ.)

An intrinsic characterization of the direct product of balls (joint work with A. Kodama)

14:50 − 15:20 Kang-Hyurk Lee (KIAS)

Complete prolongation of infinitesimal automorphisms on almost complex manifolds

15:30 − 16:20 Hyungwoon Koo (Korea Univ.)

Boundedness of composition operator on the unit ball

16:30 − 17:20 Saburou Saitoh and Masato Yamada (Gunma Univ.)

Explicit representations and their applications of nonlinear simultaneous equations

(17:40 − 18:40 Colloquium Lecture)

December 5 (Friday)

09:30 − 10:00 Ikkei Hotta (Tohoku Univ.)

Löwner chains and quasiconformal extensions

10:10 − 11:00 Yong Chan Kim (Yeungnam Univ.)

Hardy spaces on plain domains

11:10 − 12:00 Yasuo Iida (Iwate Medical Univ.)

On an F-algebra of holomorphic functions on the upper half plane

Lunch Break

13:30 − 14:20 Il Bong Jung (Kyungpook National Univ.)

On weak hyponormalities of composition operators

14:30 − 15:00 Shuichi Ohno (Nippon Institute of Technology)

Topological structure of the set of composition operators on the space of bounded harmonic functions

15:20 − 16:10 Kang-Tae Kim (POSTECH)

Functions that are holomorphic along holomorphic vector fields

16:20 − 16:50 Jisoo Byun (POSTECH)

On the automorphism group of the Kohn-Nirenberg domain

17:10 − 17:50 Sachiko Hamano (Matsue College of Technology)

Variational formula and application to simultaneous uniformization problem

18:30 − Reception in downtown of Sendai

December 6 (Saturday)

09:30 − 10:00 Takuya Hosokawa (Korea Univ.)

Differences of weighted composition operators

10:10 − 11:00 Boo Rim Choe (Korea Univ.)

Carleson measures and Bounded mean oscillations

11:10 − 12:00 Masaharu Nishio (Osaka City Univ.)

A conjugate system and tangential derivative norms on parabolic Bergman spaces (joint work with Y. Hishikawa and M. Yamada)

13:30 − 17:30 Free Discussion

The above program is subject to change. More recent information may be found at `http://www.cajpn.org/complex/conf08/KJ2008.html`

Organizers:
    E. G. Kwon (Andong National Univ.)
    Y. Mizuta (Hiroshima Univ.)
    T. Sugawa (Tohoku Univ.)