EVENING SESSION "FUTURE OF INVERSE PROBLEMS" PROPOSAL FOR A PROGRAMME BY THE MODERATOR

Date and time: July 4 (Tue), 7:30 - 9:30 p.m. Place:
Department of Mathematics, Science building 8, 3F, Rm. 8-302

Purpose. Summing up the present activities in the field of inverse problems and the promotion for the "inverse activities". For them, we definitely aim at free discussions and dialogues **involving the audiences**. Therefore ideas and comments will not be recorded with the proposer's name in case people are concerned about being quoted later or if any sensitivities.

Draft.

(1) Masahiro Yamamoto: Raising questionnaires.
(2) Elaine Longden-Chapman (the journal "Inverse Problems"): Report from the viewpoint of a journal.
(3) Talks and comments to the questionnaires by the moderator by 6 Panelists:
Professor Gunther Uhlmann,
Professor Heinz W. Engl,
Professor Rainer Kress,
Professor Victor Isakov,
Professor Jin Cheng,
Professor Jin Keun Seo.
(4) Discussions

Questionnaires. The following will be raised by the moderator and the participants are kindly requested to given comments on the basis of the experiences or from general viewpoints.

(1) What do you think the status of the inverse activities?
Decadence or still in golden age?
Are there recent breakthroughs? Or mostly routine works in the researches?
(2) How to well combine numerics with theory? Do you feel dangerous separation between the theoretical approaches and the numerics in the inverse acitivities?
(3) How is the practice or the real use (e.g., industrial inverse problems) of the inverse activities?
(4) Do you have any ideas for attracting the young to the fields of inverse problems?