



IPAM Inverse Problems Industrial Workshop UCLA

September 15-18, 2003

CALL FOR INDUSTRIAL PROBLEMS

IPAM, the Institute for Pure and Applied Mathematics at UCLA, which is supported by the National Science Foundation, will hold a semester-long program on **Inverse Problems** in the Fall of 2003, (see www.ipam.ucla.edu/programs/inv2003/). As part of this program a problem-solving workshop, wholly devoted to the examination of problems introduced by industrial scientists, will be conducted.

This notice is intended to advertise this workshop, and to solicit inverse problems of industrial importance. The scope of "industry" is broad. We are interested in industrial inverse problems having diverse origins: from the life sciences and medicine, the oil industry, finance, physics, communications, IT, etc. The key ingredients for a problem to be accepted by the workshop will be that it is unsolved, and important in a useful application.

Dates of Workshop: [September 15-18, 2003](#)

Format of Workshop

The format will be similar to that of many Study-Groups-with-Industry, (which have been held at for example in: Oxford, RPI, Australia, Western Canada for many years). On the first day of the workshop the industrial scientists will present their problems. Working sessions will then follow. A formal reporting session is not anticipated. Instead, it is expected that for all problems in which progress has been made during the first 3 days, there will be follow up by the working groups over the remaining weeks of the semester. The industrial scientists will be invited back for a reporting session later in the semester. Attendees of the inverse problems semester are expected to consist of many of the world's experts in the subject, (together with numerous post-docs and graduate students). It is therefore anticipated that many of the problems will move ahead substantially. Questions can be addressed to <mailto:invip@ipam.ucla.edu>.

Workshop Contacts

If you have a problem that you think might be suitable for this workshop you are invited to contact one of the following for an exploratory discussion.

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