Nonlinear Estimation and Classification

March 19 -29, 2001



Mathematical Sciences Research Institute, 1000 Centennial Drive, Berkeley, CA 94720-5070



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Due in part to recent advances in data collection and computing technologies, researchers in many disciplines face the formidable task of analyzing massive amounts of high-dimensional and highly-structured data. As a result, fundamental statistical research is being undertaken in a variety of different fields. Driven by the complexity of these new problems, and fueled by the explosion of available computer power, highly adaptive, non-linear methods are now essential components of modern "data analysis," a term liberally interpreted to include speech and pattern recognition, classification, data compression and signal processing. The development of new, flexible methods combines advances from many sources, including approximation theory, numerical analysis, machine learning, signal processing and statistics. This workshop intends to bring together eminent experts from these fields in order to exchange ideas and forge directions for the future. It also intends to introduce the research topics to graduate students by providing ample overviews after each session, and by providing travel support when possible.

Contributed Presentations:

Talks and posters are invited for original work related to the theme of the workshop. Submissions are to be in the form of an extended abstract, consisting of not more than 1 page (not including references). Students, recent Ph.D.'s, women and minorities are strongly encouraged to apply.

Extended abstracts will be accepted in PostScript or PDF formats and should be mailed to ***nec@research.bell-labs.com***. When submitting papers, please also indicate whether travel funds are necessary for attendance. The deadline for extended abstracts is **November 27, 2000**. Notification of acceptance will be sent out on January 15, 2001.

To apply for financial support:

A limited amount of funding is available for partial support of people wishing to attend. Students, recent Ph.D.'s, women, and minorities are particularly encouraged to apply. To apply for funding, send a letter explaining your interest in the workshop together with a vita or bibliography and a budget for travel/living expenses. If you are a student, also solicit a letter from a faculty advisor.

MSRI will send hotel information, whatever program information is available at that time, and replies to requests about one month before the workshop. Schedule information will also be posted to the workshop web page at about that time:
http://www.msri.org/calendar/workshops/0001/Nonlinear_Estimation_and_Class

For more information or to register for this workshop:

Please register using our online registration form: ***http://www.msri.org/cgi-bin/confreg.pl***
Communications about this workshop should be sent either by email to ***workshops@msri.org*** or by regular mail to:

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