



Mini Workshop on Linear Complementarity and Generalizations September 24 & 25, 2016.

Venue : ISI, SETS Campus, Taramani, Chennai.

A Mini Workshop on Linear Complementarity and Generalizations will be held during September 24 & 25 jointly with IIT Madras at ISI, SETS Campus, Chennai. This is an extension programme of the International Conference on Game Theory and Optimization which was organized in IIT Madras during the period 6-11, June of this year.

The relevance and significance of Linear Complementarity Problems (LCP) stem from the fact that many practical problems including considerations in linear programming duality, quadratic programming and bi-matrix games, among others, can be formulated as an LCP. This perspective provides a tool for the solution to such problems. On the other hand, LCP in its own right, has many interesting unsolved problems that continue to attract the attention of many researchers. A frame work that includes LCP in its fold is the Semidefinite LCP (SDLCP) wherein significant contributions to the theory and applications have been made during the last two decades. It is desirable that knowledge on such developments are disseminated among a wide audience.

In view of this, SQC & OR Unit of the Indian Statistical Institute, Chennai along with Departments of Mathematics and Management Studies, IIT Madras, would like to organise a mini workshop with special reference to recent developments in LCP and SDLCP.

The objective of the Mini Workshop is to introduce primarily the notions of LCP, SDLCP and their applications. Most of the talks will be of expository nature and are aimed at budding Ph.D. scholars and young researchers working in the broad area of optimization. It is anticipated that the workshop will serve as a curtain raiser for research on current trends in LCP and SDLCP.

Tentative List of Speakers:

T. S. Arthanari, T. Parthasarathy, KC Sivakumar, GSR Murthy, G. Ravindran, ALN Murthy,
D. Sampangiraman, A. Chandrasekaran, N. Egamabaram, R. Balaji, I Jeyaraman, A.K. Biswas,

With Warm Regards,

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