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Institute Colloquium

INDIAN INSTITUTE OF SCIENCE
BANGALORE

PROFESSOR S. V SUBRAMANYAM
DEPARTMENT OF PHYSICS

will deliver a lecture

on

QUEST FOR AN ORGANIC METAL - SOME EXPERIENCES

on Wednesday, the 12th November, 1997
at 4.00 PM in the Faculty Hall

PROFESSOR G PADMANABAN

Director, will preside

All are cordially invited.

Coffee : 5.00 P.M.
Reception Hall

Prof. S S KRISHNAMURTHY
Convener

ABSTRACT

Many efforts have been made by researchers to develop organic metals suitable for technological applications. In this talk, a brief review will be presented of the organic materials such as charge transfer complexes, conducting polymers and amorphous forms of carbon with which the speaker has some first hand knowledge. Such studies have also revealed many interesting insulator to metal transitions. These will be highlighted. Some typical applications of these materials will also be discussed.