CENTRE FOR STUDIES IN SOCIAL SCIENCES, Calcutta
R 1 BAISHNABGHATA PATULI,
KOLKATA 700094

ECONOMICS STUDY GROUP SEMINAR

Parikshit De
Visiting Researcher
Indian Statistical Institute, Kolkata

shall present

"BALANCED IMPLEMENTABILITY OF SEQUENCING RULES"

Abstract: We address the balanced implementation issue for sequencing problems under incomplete information. We first argue that sequencing rules for which any agent's job completion time is non-increasing in own waiting costs, are the only sequencing rules that are implementable. Our main contribution deals with balanced implementability. For sequencing problems with more than two agents we identify an important priority based sufficient class of rules, which we call GP-CM sequencing rules, that are implementable with balanced transfers. For two agent sequencing problems we identify the complete class of rules that are implementable with balanced transfers. These rules are priority rules contingent on a specific waiting cost of one of the two agents. As a consequence of our earlier results, it also follows that any linear sequencing rule is implementable with balanced transfers if and only if there are more than two agents.

Date: Friday **8ᵗʰSeptember**, 2017, 3-5 pm
Venue: CSSSC's Seminar Room, Patuli Campus

Dr. Tushar Nandi
(Seminar Sub-Committee)

All are welcome to attend.