Split Modelling Approach to Non-Cooperative Strategic Games

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Abstract: In some situations, it is possible to shift the economic constraints from one space to another. Unfortunately, the resulting constraints often turn out to be more complicated than the original ones. Therefore, it is more advantageous to leave the constraints in their respective spaces and build a framework for merging them. In order to do so, this research aims to develop unified models for handling constraints which are defined in different spaces and are related to economic world problems. More precisely, this talk intends to introduce the split generalized Nash equilibrium problem and investigate its application in air pollution control problem.