

VORträge zum Operations Research

Kolloquium des Instituts für Operations Research

Zeit: Donnerstag, 7. November 2013, 17:30 Uhr

Ort: Raum 253, Gebäude 11.40

Es sprechen: Prof. Giuseppe Bruno, Universität Neapel, Italien

Zum Thema: **Equality Measures in Discrete Location Models**

Abstract: In the last decades, a new class of location problems has been defined aiming at balancing distances among users and facilities. The balancing objectives are related to the achievement of an equity goal which is linked, in turn, to the concept of equality. Erkut (1993), and Marsh and Schilling (1994) proposed lists of equity measures and also introduced a framework for their classification. Another very comprehensive survey on the topic was performed by Eiselt and Laporte (1995). In literature we can observe two main different lines of research regarding location models with equity objectives. A first line concerns the formulation of versions of location problems involving equity measures with the proposal of efficient algorithms for solving them (see for instance Drezner and Drezner (2007), Marin et al. (2010)). A second line of research deals with the analysis of properties that equality measures should satisfy (see for instance Drezner et al. (2009)). Given the quite large number of equity measures that have been introduced, there is a concern about their intrinsic meaning and ability in keeping track of equity issues. We propose an analysis of an extensive list of equality measures in order to individuate potential correlations between pairs of measures and to define new properties useful to design appropriate procedures to solve location models with equality objectives. The results of the performed analysis represent the basis to provide comments about similarity among the measures, common behaviors of subsets of measures, and to individuate more representative measures.

Die Vorträge zum Operations Research wenden sich an alle Interessierten!

Ab 17:00 Uhr ist am Lehrstuhl für Operations Research (Gebäude 11.40, Besprechungsraum 249) Gelegenheit zu einem Gespräch mit dem Referenten bei einer Tasse Kaffee gegeben.

Bei Rückfragen wenden Sie sich bitte an:

Prof. Dr. Stefan Nickel, Lehrstuhl für Diskrete Optimierung und Logistik am IOR.