

# VORträge zum Operations Research

Kolloquium des Instituts für Operations Research

*Zeit:* Donnerstag, 14. Mai 2009, 17:30 Uhr

*Ort:* Raum 111, Gebäude 20.13

*Es spricht:* Francisco Saldanha-da-Gama (PhD), Universität Lissabon

*Zum Thema:* **Project Scheduling with Flexible Resources: Formulation and Inequalities**

*Abstract:* In this work an extension of the resource constrained project scheduling problem is studied in which the resources are flexible. This means that each resource has several skills. Each activity may require several resources for each skill. A mixed-integer linear programming formulation is proposed for the problem as well as several sets of additional inequalities. Due to the fact that some of these inequalities require a valid upper bound to the problem, a heuristic procedure is proposed. Computational experience is reported based on randomly generated data, which indicates that for instances of reasonable size, the proposed model enlarged with the additional inequalities can be solved efficiently using a commercial package.

**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 Operations Research.