

# VORträge zum Operations Research

Kolloquium des Instituts für Operations Research

*Zeit:* Donnerstag, 15. April 2010, 17:30 Uhr

*Ort:* Raum 214, Gebäude 11.40

*Es spricht:* Prof. Dmitry Krass, University of Toronto, Canada

*Zum Thema:* **Optimal Location Patterns for When Facilities are Prone to Failure**

*Abstract:* Service facilities may and do fail for a variety of reasons. In this paper we examine the impact of failures on the optimal location patterns. We analyze the impact of four factors: probability of failure, inter-facility correlations of failures, the information available to the customer and the decision-maker's objective function. By choosing a simple setting (2 facilities on a line) we are able to obtain closed form solutions and conduct full parametric analysis, yielding interesting managerial insights. We also provide the decomposition of total system costs and evaluate values of reliability and information.

**Die Vorträge zum Operations Research wenden sich an alle Interessierten!**

Ab 17:00 Uhr ist am Institut 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, Institut für Operations Research.