

Title: Variational Inequality, Financial Engineering and Optimal Control of Obstacle

Qihong Chen

(Shanghai University of Finance and Economics, Shanghai 200433, China)

Abstract

In recent years, variational inequalities and free boundary problems have been extensively used in many parts of Engineering, Mechanics, Chemistry, and Bioscience etc. even Economics and Finance.

This talk is concerned with various optimal control problems (especially, the obstacle control problem) for systems governed by a variational inequality.