## **Advanced Methods in Mathematical Finance**



ID de Contribution: **70** Type: **Non spécifié** 

## **Duality for homogeneous optimisation problems**

mercredi 29 août 2018 16:50 (30 minutes)

This talk is concerned with stochastic optimal control problems with a certain homogeneity. For such problems, a novel dual problem is formulated. The results are applied to a stochastic volatility variant of the classical Merton problem. Another application of this duality is to the study the right-most particle of a branching Levy process.

## **Summary**

Orateur: TEHRANCHI, Michael (University of Cambridge)