

# General tax structures and the Lévy insurance risk model

Andreas Kyprianou  
Xiaowen Zhou  
University of Bath  
a.kyprianou@bath.ac.uk

**Abstract.** In this talk we will look at spectrally negative Lévy processes perturbed by a functional of their running maximum and the relevance of such processes of insurance and financial mathematics.

**Keywords** Lévy processes; scale functions, Gerber-Shiu function.