In this talk we will present the computation of the Hopf-cyclic cohomology
of the Connes-Moscovici Hopf algebras.

We will introduce the Connes-Moscovici Hopf algebras and the Schwarzian
Hopf algebra of noncommutative geometry, and we present our results on the
Hopf-cyclic cohomology of these Hopf algebras. Finally, we will illustrate our
computation calculating the generators of the Hopf-cyclic cohomology of the
Schwarzian Hopf algebra.

The talk is based on a joint work with B. Rangipour.