## **BOGDAN NICA**, University of Victoria

Fredholm modules and boundary actions of hyperbolic groups

I will describe some finitely summable Fredholm modules for the crossed product C\*-algebra associated to the action of a hyperbolic group on its boundary. These Fredholm modules represent a natural and distinguished K-homology class; in particular, the Fredholm modules we construct are almost always non-trivial. This is joint work with Heath Emerson.