



**Prof. Abdelghani Zeghib (abdelghani.zeghib@ens-lyon.fr)
Ecole Normale Supérieure (ENS), Lyon, France.**

Abdelghani Zeghib received his PhD from Université de Bourgogne in 1985 under the supervision of R. Langevin and M. Gromov and received his HDR in 1995. He supervised several PhD theses at ENS Lyon. His research interests include Dynamical systems and Mathematical relativity. He is a Senior Scientist (Directeur de recherche) at ENS, Lyon. The alumni of the ENS include 14 Nobel Prize laureates and 12 Fields Medalists (the most of any university in the world).

Talk Title and Abstract

Causal Actions

A Causal structure on a manifold consists in giving a field of tangent cones: a convex proper cone in each tangent space. We are interested in the automorphism group of such a structure, particularly in the case where this group acts non-properly.