

Meeting: 999, Nashville, Tennessee, SS 3A, Special Session on Index Theory and the Topology of Manifolds

999-19-144 **Nick Wright*** (n.wright@maths.soton.ac.uk), School of Mathematics, University of Southampton, Highfield, SO17 1BJ Southampton, England. *The coarse Baum-Connes conjecture and subspaces.*

In this talk I will begin by recalling the coarse Baum-Connes conjecture and some existing results. I will then introduce a version of the conjecture with coefficients. This version of the conjecture has the virtue that results about an ambient space automatically pass to subspaces, and I will show how this can be used to prove new cases of the coarse Baum-Connes conjecture. (Received August 20, 2004)