

Speaker [Yemon Choi](#) (*U. Lancaster, UK*)

Title *Extensions, unitarizability, and amenable operator algebras*

Abstract: In work with Farah and Ozawa, we exhibited a closed subalgebra of $\ell^\infty \otimes M_2$ which is amenable, yet is not Banach-algebra-isomorphic to any C*-algebra; the non-isomorphism is witnessed by the failure to be "unitarizable" of certain bounded subgroups of matrix corona algebras. It remains an open question whether similar "counterexamples" can be found inside $C(K) \otimes M_d$ for metrizable K . In this talk we report on some work in progress, joint with B. Green (Lancaster), investigating what can be said when K has finite Cantor-Bendixson rank.