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**Nigel Higson\*** ([higson@math.psu.edu](mailto:higson@math.psu.edu)), Department of Mathematics, Penn State University, University Park, PA 16802. *Operator algebras, operator spaces and categories of representations*. Preliminary report.

I shall describe some categories of tempered representations of reductive groups, and parabolic induction functors between them, that are constructed using ideas from operator algebras and operator spaces. Some of the features of these categories suggest that operator algebra techniques have a novel conceptual role to play in tempered representation theory. (Received August 29, 2014)