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**Marcy Robertson\***, Department of Mathematics-Middlesex, University of Western Ontario, London, Ontario N6A 5B7, Canada, and **Andrew Salch** and **Julie Bergner**, University of California Riverside. *On Topological Triangulated Orbit Categories.*

In 2005, Keller showed that the orbit category associated to the bounded derived category of a hereditary category under an auto equivalence is triangulated. As an application he proved that the cluster category is triangulated. We show that this theorem generalizes to triangulated categories with topological origin (i.e. the homotopy category of a stable model category). As an application we construct a topological triangulated category which models the cluster category. This is joint work with Andrew Salch. (Received September 25, 2012)