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Dawn E. Archey*, 4001 W McNichols Rd, Detroit, MI 48221. *Applications of Large Subalgebras of C^* -Algebras.*

We will introduce the concept of a large subalgebra of a C^* -algebra and briefly describe its historical predecessors. Next we will provide samples of theorems obtained using large subalgebras. We will finish with a few examples to indicate the strength of these theorems. This talk is based on joint work with Julian Buck and N. Christopher Phillips and on joint work with Maria Stella Adamo, Marzieh Forough, Magdalena Georgescu, Ja A Jeong, Karen Strung, and Maria Grazia Viola. (Received September 17, 2019)