1126-13-135   **Michael C Axtell*** (`axte2004@stthomas.edu`), University of St. Thomas, St. Paul, MN 55105, and **Nick Baeth** and **Joe Stickles**. *Factorizations in self-idealizations of PIRs.*

The self-idealization of a commutative ring R is isomorphic to the ring $R[x]/(x^2)$ or, equivalently, the ring of upper-triangular Toeplitz matrices over R, $T(R)$. Recently, Chang and Smertnig characterized the sets of lengths of factorizations in $T(D)$ where D is a principal ideal domain. In this talk, in addition to correcting an error in their paper, we extend the study to $T(R)$ when R is a principal ideal ring. (Received January 09, 2017)