

**Meeting:** 1003, Atlanta, Georgia, SS 21A, AMS Special Session on Mathematics and Mathematics Education in Fiber Arts

1003-08-954      **Carolyn A. Yackel\*** ([yackel\\_ca@mercer.edu](mailto:yackel_ca@mercer.edu)), Department of Mathematics, 1400 Coleman Ave., Macon, GA 31207. *Realizing Algebraic Structures Through Knitting*. Preliminary report.

This talk will have two components. In the first part, we will discuss several different realizations of the ring  $\mathbf{Z}/(n)$  in patterned circular knitting. In the second part, we will discuss future directions for exploration by mathematical fiber artists. (Received October 01, 2004)