

**Meeting:** 1004, Bowling Green, Kentucky, SS 8A, Special Session on Topology, Convergence, and Order, in Honor of Darrell Kent

1004-54-213      **Frederic Mynard\*** (fmynard@georgiasouthern.edu), Department of Mathematical Sciences, POBOX 8093, Georgia Southern University, Statesboro, GA 30460. *A convergence-theoretic approach to product theorems.*

In this talk, a general scheme to deal with topological product theorems via convergence spaces is presented. A central role is played by the commutation of reflectors (in CONV) with products. In particular, the theory builds on a case well studied by D.C. Kent and G. Richardson, namely that of the commutation of the topologizer with finite product. (Received January 25, 2005)