

Meeting: 999, Nashville, Tennessee, SS 13A, Special Session on Semigroup Theory

999-20-65 **Francis J. Pastijn*** (francisp@mscs.mu.edu), Dept. of Math. Stat. and Comp. Sc., Marquette University, Milwaukee, WI 53201-1881. *Ideal extensions of locally inverse semigroups.*

The translational hull of a locally inverse semigroup S contains a largest ideal $T(S)$ which is again locally inverse. This locally inverse translational hull $T(S)$ of S can be used as a tool for the construction of ideal extensions of locally inverse semigroups within the class of all locally inverse semigroups. Existence varieties of locally inverse semigroups closed for the taking of locally inverse translational hulls are investigated. (Received August 04, 2004)