1146-17-41 **Guy R Biyogmam*** (guy.biyogmam@gcsu.edu), Georgia College & State University, Arts & Sciences Room 1-29, Campus Box 17, Milledgeville, GA 31061. *Schur Lie-Multipliers of Leibniz algebras.*

Given a non-Lie Leibniz algebra $\mathfrak{g}$, there are notions of relative central extensions and relative commutators with respect to the functor $(-)_{\mathsf{Lie}} : \mathsf{Leib} \to \mathsf{Lie}$ which assigns to $\mathfrak{g}$, the Lie algebra $\mathfrak{g}/\mathfrak{g}^{ann}$, where $\mathfrak{g}^{ann} = \langle\{[x,x], x \in \mathfrak{g}\}\rangle$, and Leib and Lie denotes respectively the categories of Leibniz algebras and Lie algebras. This creates grounds in which one can study relative concepts such as Lie-nilpotency, Lie-multipliers, Lie-stem cover, etc. In this talk, we will discuss several results related to these notions. In particular, we will discuss how the c-nilpotent schur Lie-multiplier is useful in characterizing Lie-nilpotency and c-Lie-stem covers of Leibniz algebras, and in proving the existence of c-Lie-stem covers for finite dimensional Leibniz algebras and the non existence of c-covering on certain Lie-nilpotent Leibniz algebras. (Received January 24, 2019)