SE&T Colloquium Series-Fall 2013

Speaker	Dr. Olivier Heubo-Kwegna Department of Mathematical Sciences
Title	***Cyclic BCK-Agebras***
Abstract	The topic of this talk is motivated by the existing notion of cyclic group in group theory. We use the notion of units in BCK-algebras to introduce the notion of cyclic BCK-algebra. We prove the existence of a unique (up to isomorphism) cyclic BCK-algebra of any order. This approach leads to a new description and characterization of bounded commutative BCK-chains of finite order. We also obtain a structure theorem for bounded commutative BCK-algebras in terms of cyclic BCK-algebras (similar to the Fundamental Theorem of Abelian groups). As a consequence of this theorem, we obtain a Lagrange-like theorem for finite bounded commutative BCK-algebras. The talk is accessible to our students taking upper level classes. They are very welcome to attend.
Date	Tuesday, September 24
Time	4:10-5:00pm
Place	Pioneer 240 Refreshments will be served at 4:00pm.