

SE&T Colloquium Series-Fall 2012

Speaker	Dr. Emmanuel Kengni Ncheuguim Department of Mathematical Sciences
Title	<i>Theoretical aspects of classical and Drucker-Prager cap models of elasto-plasticity</i>
Abstract	<p>When a body is deformed, it will first show an elastic behavior followed by a plastic behavior. The plastic behavior is characterized by the irreversibility of the deformation. In this talk, we will explore some theoretical aspects of the classical elasto-plasticity in the context of primal formulation. Then we will extend the result to the Drucker-Prager cap model which is more suitable for the study of geo-mechanical materials such as soil, ceramic and rock.</p> <p>The talk underlines applications of Mathematics and is particularly open to students with interests in mechanical engineering and materials science.</p>
Date	Tuesday, November 13
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.